# Oil, Paint and Drug Reporter

*The Chemical Market Authority Since 1871*

Volume 157 No. 26 — 30 Church Street, New York 7, N. Y. — June 26, 1950



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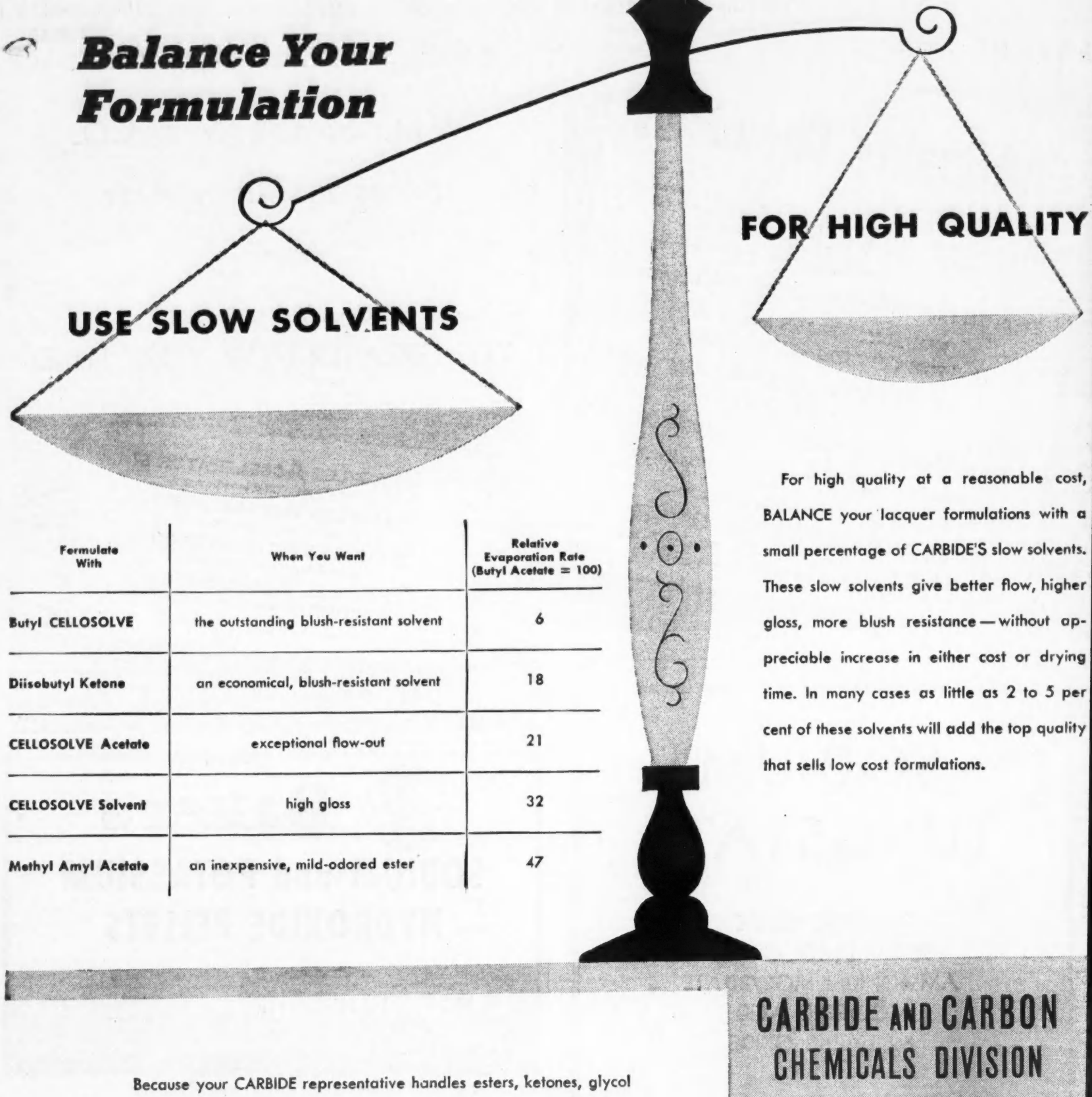


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JUN 24 '50


# Oil, Paint and Drug Reporter

olume 157 No. 26 | 30 Church Street, New York 7, N. Y. | June 26, 1950


## Chemicals Use in Food Probe Voted by House

A congressional investigation of the use chemicals in the production and processing of foods was authorized by the ouse last week when it unanimously approved Sabath H. Res. 323. The investiation is to be made by seven house members. Representative James J. Delaney of ew York is expected to head the group.

The resolution was approved without y voice of criticism after it was explained that the purpose of the investigaon is to find out whether the use of emicals such as fertilizers, insecticides, hulsifiers, etc., in the production and ocessing of foods may have a toxic effect er an extended period of time.

Representative Walter H. Judd of Minsota, a physician and surgeon by proession, expressed strong endorsement of e investigation, as did Representative thur L. Miller of Nebraska, a former ate director of health. They described e investigation as one of the most urntly needed in the field of public health day.

## ealth Insurance Study roup Headed by Clark

Dr. Dean A. Clark, medical director of e Massachusetts General Hospital, Bosn, has been selected by a sub-committee the senate public welfare committee head a study of voluntary health inrance plans. The study was authorized the senate several weeks ago as part the overall consideration of legislation health insurance. A fund of $37,800 s been set aside to cover the costs of e study. The subcommittee will make report by next February 1.

## atent Laws Bill Voted

The house last week approved the conference report on H. R. 4692 and sent measure to the White House for the esident's signature. The bill amends patent laws to extend the term of pats of persons who served in the military d naval forces during the war.

### *Tin Smelter Operations Of RFC Up for Vote*

The senate armed services committee voted a favorable report last week on S. 3666 which would authorize the Reconstruction Finance Corporation to continue operation of the government-owned tin smelter at Texas City, Tex., until June 30, 1956. A similar bill has been reported to the house.

Under existing law the operations of the plant would cease on June 30, 1951, when the authority of the RFC to enter into contracts would expire.

## Vegetable Oils Imports For Jan.-Apr. Reported

United States imports of specified fats and oils in April were 86,800,000 pounds and the January-April total was 344,600,000 pounds, according to the Office of Foreign Agricultural Relations last week. Both figures represent about 98 percent of all imported fats and oils in the respective periods.

April imports were 77 percent greater than in 1949, but the four-month total was only 15 percent greater.

Following are the statistics for January-April, 1950, as compared with the preliminary totals for the entire year of 1949:—

| | Jan.-Apr. 1950* | 1949* |
|---|---|---|
| Babassu kernels, lbs | 28,336,000 | 46,591,000 |
| oil, lbs | 1,676,000 | 3,565,000 |
| Castor beans, lbs | 93,361,000 | 289,936,000 |
| oil, lbs | 13,154,000 | 10,618,000 |
| Coconut oil, lbs | †37,516,000 | 107,860,000 |
| Copra, short tons | 128,781,000 | 428,230,000 |
| Flaxseed, bu | 2,000 | 148,000 |
| Linseed oil, lbs | 64,000 | 1,317,000 |
| Oiticica oil, lbs | 2,009,000 | 8,940,000 |
| Olive oil, edible, lbs | 18,221,000 | 20,221,000 |
| inedible, lbs | 284,000 | 3,124,000 |
| Palm oil, lbs | 6,820,000 | 82,340,000 |
| Sesame seed, lbs | 3,531,000 | 10,818,000 |
| Teaseed oil, lbs | | 141,000 |
| Tucum kernels, lbs | 8,708,000 | 30,183,000 |
| Tung oil, lbs | 21,675,000 | 64,968,000 |

* Preliminary.

† As a result of a revision in January, 1950, accumulative figures for January-March should read 29,728.

# Price Trend Turns Upward

Price movements were more widely disbuted last week in the markets for emicals, oils, and drugs; they also were particularly in line with those of the ceding week. Coaltar chemicals went again; botanical drugs repeated their eline. But, fats and oils and essential s got over on the upside, and drugs tched to the downside. A new movent was an advance in textile chemicals.

The wider, different movement had a boosting effect, adding 0.3 point to overall index number, which was alst as much as it had lost in the week ore. The number has gone down 4.2 nts this year and is 7.5 points below the nparable 1949 mark.

The movement in nonferrous metal as was again mixed, with boosts for ee resinates and the cadmium lithoes and cuts for tin and its salts and ium stannate. Anilin led the list of six ltar chemicals which were advanced. alool was up; menthol, down. Corn, ond, and persicot oils were reduced. er edible vegetable oils were advanced. So was tung oil. Grease and tallow were lower, as was also dried blood.

Other matters of interest were an advance for sodium hyposulphite and sabadilla and a reduction for vitamin $B_{12}$.

More labor disturbances came into play, and the fidgeting over tightening supplies increased. More tight spots were reported, including sulphuric acid.

### OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

| June 23, 1950 | June 16, 1950 | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|
| 120.6 | 120.3 | 124.8 | 128.1 |

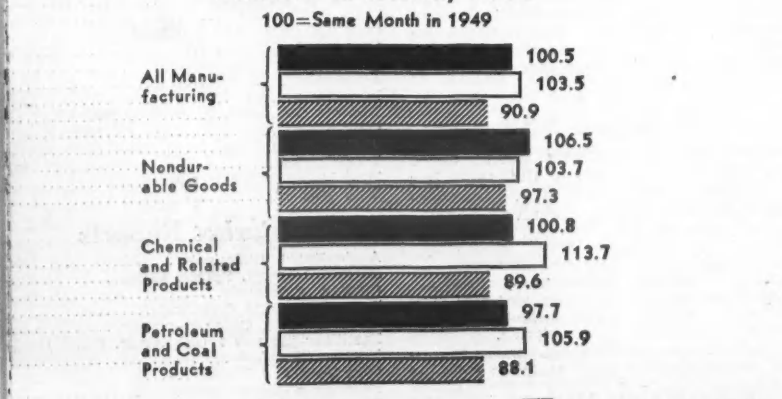
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

### OPD Index Monthly Averages

| | 1950 | 1949 | 1947 | 1946 | 1941 |
|---|---|---|---|---|---|
| January | 123.2 | 142.0 | 150.9 | 135.3 | 107.3 |
| February | 121.3 | 140.4 | 151.9 | 135.4 | 110.3 |
| March | 121.8 | 137.6 | 154.9 | 135.2 | 111.9 |
| April | 121.0 | 133.6 | 152.3 | 134.9 | 115.5 |
| May | 120.6 | 131.2 | 146.1 | 135.1 | 118.2 |

### Business in March, 1950

100=Same Month in 1949




# Antibiotics Marketing Law Revision Parley Termed 'Highly Satisfactory'

A "highly satisfactory" conference was held last week by a committee of drug manufacturers and officials of Food and Drug Administration on the industry's proposed new law for controlling the marketing of antibiotic drug products. Another meeting is planned for later in the year when the two sides will then get down to details of the legislation.

The proposed law is patterned after the new drug section of the food, drug and cosmetic act, and would replace the present requirements for federal certification of antibiotics. It has been approved in principle by American Drug Manufacturers Association, American Pharmaceutical Manufacturers Association and the Proprietary Association.

Need for the law grows out of the desire upon the part of FDA and the drug industry to get away from the present piece-meal amending of the penicillin certification law each time a new antibiotic is discovered and from the general principle of a product's being certified by the federal government.

Under the proposal, when a new antibiotic product is to be placed upon the market an application must first be filed with FDA. Time limits would be established within which FDA would have to act on the application. Before the new product could be sold to the public, producers would have to prove efficacy, purity and potency.

At the exploratory conference last week Charles W. Crawford, deputy commissioner of FDA, discussed each section of the bill with the industry committee and indicated his general approval of the aims sought. His principal criticism was directed at the time periods, which he thought were too limited.

The bill provides for a sixty-day period for pre-shipment checking for purity and potency of an "old" antibiotic to be offered in a new product form by an established producer, a 180-day checking period for such cases where the applicant is a "new" producer, and a 180-day for a "new" antibiotic whether the applicant is a "new" or established producer.

**Objections by Crawford**

Mr. Crawford thought that the sixty-day period should be extended to one year and the 180-day period to two years. He also suggested that there be a provision which would require producers to establish a certain performance record during the period of pre-shipment testing, such as the production of a certain number of batches without rejections.

Mr. Crawford saw no reason why a "grandfather's clause" could not be written into the bill which would automatically extend the privileges of the law to producers presently meeting the performance requirements that will be set up when the law becomes effective.

Industry representatives were highly pleased with the reception accorded the bill by Mr. Crawford and they expressed confidence in the two sides getting together on the details so that a united front can be presented by FDA and industry before congress in behalf of the legislation next session.

## U.S. Reports Miscellaneous Chemicals Production in '49

The total United States output of miscellaneous chemicals in 1949 was 11,700,000,000 pounds, a decrease of 2.6 percent from the 12,000,000,000 pounds reported for 1948, according to preliminary statistics released by the Tariff Commission. A large part of the output is used by the producing concerns in further processing. Sales in 1949 amounted to 5,200,000,000 pounds, valued at $720,000,000, compared with 5,300,000,000 pounds, valued at $710,000,000 in 1948, a decrease of 1.1 percent in quantity and an increase of 1.5 percent in value.

Production in 1949 of miscellaneous cyclic chemicals amounted to 262,000,000 pounds, an increase of 22.0 percent from the 215,000,000 pounds reported for 1948. Important cyclic products include the insecticides DDT and benzene hexachloride, and 2,4-D type of weed killers. Sales of all cyclic products in 1949 were 226,000,000 pounds, valued at $77,000,000, compared with 179,000,000 pounds, valued at $64,000,000 in the preceding year.

The output in 1949 of miscellaneous acylic chemicals totaled 11,400,000,000 pounds, a decrease of 3.1 percent from the 11,800,000,000 pounds reported for 1948. Important acyclic products include halogenated hydrocarbons, acetic acid and anhydride, formaledhyde, thylene glycol, and methyl, ethyl, and isopropyl alcohols. Sales of all acyclic miscellaneous chemicals in 1949 amounted to 5,000,000,000 pounds, valued at $643,,000,000, compared with 5,100,0000,000 pounds, valued at $646,000,000 in the preceding year.

The preliminary statistics on production and sales of miscellaneous chemicals are more than 95 percent complete. The complete statistics will be given in the commission's final report which will be issued later.

Copies of the section on miscellaneous chemicals may be obtained by writing to the United States Tariff Commission, Washington 25, D. C.

## Fertilizer Plant in South Korea Approved by ECA

The building of a large nitrate fertilizer plant in the Samchok area of South Korea, which would relieve the area of its dependence upon utside sources for much of its fertilizers, has been given approval by the Economic Cooperation Administration.

The plant is calculated to have a capacity of 100,000 tons of contained nitrogen annually. Included in the project is a steam power plant. The cost of the necessary equipment for the complete plant is estimated at $13,400,000.

Prior to the war most of the fertilizer used in Korea was produced in North Korea. This source of supply is now cut off so that South Korea is nearly entirely dependent upon outside sources for its needs.

## Copper Duty Suspension Hits Snag in House Comm.

The ways and means. committee has agreed to consider a further suspension of the import taxes on copper but prospects are that it will be several weeks beyond the deadline of June 30 before any action is taken. The committee announced last week that it will be unable to begin hearings on the three pending bills until July 10.

While it has not be definitely decided, it is expected that if the committee agrees to another suspension of the tax the suspension will be made retroactive to July 1. The three bills would continue suspension until June 30, 1952.

## Health Department Plan Voted by House Group

The house committee on expenditures last week approved President Truman's plan for a new Department of Health, Education and Security and for the transfer of the Reconstruction Finance Corporation to the Department of Commerce. Both reorganization plans had been criticized by the citizen's committee for the Hoover report as not being in accord with the Hoover commission's recommendations.

Later in the week the senate expenditures committee reported a resolution for congressional veto of reorganization plan number 24, providing for the transfer of RFC. The committee reported the resolution without recommendation, however, and chances of its adoption have thus been materially reduced.

### *OPD Closed July 3*

In order to give the staff a long weekend, OIL, PAINT AND DRUG REPORTER offices will be closed on Monday, July 3, as well as on the holiday, July 4.

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# Wool Grease and Animal Glue Industries Protest Tariff Cuts

Trade agreement negotiators who will meet with representatives of twenty-three other countries at Torquay next September for a third round of tariff cutting were urged last week to reject any reductions in present rates of duty on wool grease and animal glue. Representatives of the two industries testifying before the Committee for Reciprocity Information stressed the importance of these products to the national defense and the sharp competition already being faced from imports.

The testimony was given at the hearings before the committee on the supplemental list of products that have been proposed for tariff negotiation at the forthcoming Torquay talks. Extended hearings were held on the original list of products, numbering about 3,000, including most of the chemical schedule, earlier in the month. All public airing of industry views on the products suggested for consideration has now been completed and the testimony will be briefed and turned over to the negotiators for their guidance at Torquay.

Alexander A. Cameron, vice-president of Abbot Worsted Company, stressed the importance of wool grease for military uses and the strenuous efforts made in the last war to increase its production. Also, the fact that it is not generally possible to use substitute materials because of the unique and peculiar properties of wool grease itself.

In spite of present duties ranging from ½-cent to 2 cents per pound, imports of foreign wool grease rose to 8,500,000 pounds in 1949, about 40 percent of United States consumption, he said. Foreign wools are coming in now at duty-paid landed prices, he added, which are below the cost of production in this country. Duty and excise taxes which are too low, as believed at present, Mr. Cameron said, hurt the domestic producers without substantially helping the foreign producers.

R. W. Gutheil of Baugh & Sons Company, urged that the pre-Geneva agreement rates of 20 percent advalorem and 2½ cents per pound on animal bone glue be restored. The reductions in the rates made in 1948 has been very harmful to the domestic industry and any further cut would only result in disaster, he stated. He said that while the industry is small, it has ample capacity to meet the domestic needs for animal bone glue. Imports have mounted sharply, he added, from about 300,000 pounds in 1949 to around 500,000 pounds for the month of January alone.

He emphasized that animal bone glue is an essential war material and in the last war it was one of the first products to go under distribution controls to make certain that the military got the supplies it required. He also stressed that highly skilled labor is required in the manufacture of the product as well as specialized equipment.

## Pitts. Coke Parathion Plant in Construction

Pittsburgh Coke & Chemical Company, Pittsburgh, has begun construction of a new plant for the manufacture of parathion and several other organic phosphate insecticides. The unit, which is expected to get into production in the early fall, will incorporate a new process. Originally developed by the German chemical concern, Farbenfabriken Bayer, the process has been further improved and engineered by joint work of Bayer and Pittsburgh research staffs.

Distribution of the output will funnel through Chemagro Corporation, a joint subsidiary formed by Pittsburgh Coke and the Geary Chemical Corporation, New York. Pittsburgh Coke & Chemical will manufacture for Chemagro Corporation, and Chemagro will market these new agricultural products through Geary Chemical Corporation, the Pittsburgh Agricultural Chemical Company and others.

The company further explained that use of the Bayer concern's process was obtained by Pittsburgh Coke through the Geary firm, which held a contract with Bayer for the manufacture and distribution of agricultural chemicals originated and tested by the German concern.

The company also stated that in addition to parathion one of the several products to be manufactured in the new plant is a systemic insecticide, one which may be applied to seeds or seedlings to render the plants which grow from them resistant to insects. Preliminary tests, the company said, indicate great promise for this new type insecticide both as to ease of application and insecticidal results.

## Porch to Retire; DuPont Affiliate to Become Div.

C. Douglas Porch, president of Kinetic Chemicals, Inc., an affiliate of E. I. du Pont de Nemours & Co., Wilmington, Del., has announced his retirement, effective July 31, after more than forty-three years of service. Kinetic, meanwhile, wholly owned by du Pont since last December 30, will be integrated into the organic chemicals department on July 1, becoming a division of the parent concern.

The new kinetic chemicals division, set up to handle sales of "Freon" fluorinated hydrocarbons used principally as refrigerants and aerosol propellants, will be headed by Robert J. Thompson as director of sales and Emory M. Fanning as assistant director. Manufacture of "Freon" compounds will be in charge of Stuart W. Pratt as production manager, who will be a member of the organic chemical department's production organization.

## Polybutadiene Synthetic Rubber Made by Phillips

A new synthetic rubber, made without scarce styrene, has been developed by Phillips Petroleum Company, Bartlesville, Okla., in cooperation with the Office of Rubber Reserve. Called polybutadiene or "PB" rubber, the new rubber is said to be superior to "GR-S" synthetic rubber and perhaps to natural rubber for tire treads, according to the results of limited road tests. In addition, it is claimed that the new product may even be equal to "cold rubber" in quality.

Made from a new process developed by Phillips, the new rubber requires no styrene since it is made from butadiene. Output of butadiene, made from petroleum, can be increased in existing plants to meet the heavy demand for synthetic rubber, according to a company statement.

## Lead Price Declines

Metallic lead fell off one-half cent per pound late last week, quotations on pigs moving down to 11.50 cents, New York, and 11.30 cents per pound, St. Louis basis. Pigment makers followed automatically with similar reductions in dry red lead, litharge and mineral orange.

## Halocarbon In Production On New Type Lubricants

Halocarbon Products Corporation, North Bergen, N. J., has begun quantity production of stabilized low polymers of chlorotrifluoroethylene in the form of oils, greases and waxes. Called "Halocarbons," these products are said to contain only carbon, fluorine and chlorine and are claimed to be completely inert to all corrosive agents, including acids, alkalies, salts and oxidizing agents, wet or dry. The materials, which are also said to be unaffected by prolonged heating in air at 480 degrees Fahrenheit, are said to have wide application as a chemically-stable lubricant.

## Gallowhur, Cleary Settle Patent Licensing Dispute

Patent litigation of several years duration between Gallowhur Chemical Corporation, New York, and W. A. Cleary Corporation, New Brunswick, N. J., and Ontario, Canada, has been settled out of court. It involved patents licensed to Gallowhur for manufacture of specified solubilized phenyl mercury formulations. Under the terms of the settlement, Cleary has been sublicensed by Gallowhur to manufacture and sell materials embraced by one of the patents.

## Parke, Davis to Produce Chloromycetin in Britain

Parke, Davis & Co., Detroit, Mich., has announced plans for the construction of a new British plant to produce chloromycetin. The unit, to be located at Hounslow, England, will manufacture the antibiotic for distribution to countries within the sterling area.

### *Named Vice-President*

William Flatow, assistant vice-president of W. R. Grace & Co., New York, has been appointed a vice-president of the concern. Mr. Flatow joined the Grace organization in 1932 as head of the firm's ore and metal department, a position he continues to hold. He was named assistant secretary of the company in 1940, manager in 1942 and assistant vice-president in 1946.

## Hercules Now Marketing Defoamer in Brick Form

Hercules Powder Company, Wilmington, Del., has introduced a new defoamer in 2½-pound brick form. Called "Defoamer 4," the new product is said to include among its advantages excellent defoaming efficiency, small storage space, stable dilute emulsion and elimination of the problem of drum handling.

Packaged in an individual carton, one brick will make a batch of about forty gallons of a final dispersion at 0.75 percent solids. Twenty bricks, enough defoamer for 800 gallons of dispersion, are packaged and shipped in a corrugated container which can be stored in a small amount of space.

## Amer. Zinc, Lead & Smelting Elects Eide Vice-President

Alwin C. Eide has been elected vice-president of the American Zinc, Lead & Smelting Company, parent organization of the American Zinc Oxide Company, Columbus, Ohio.

Mr. Eide joined the American Zinc organization as a chemist in 1916 and became branch manager at Chicago three years later. In 1923, he went to Columbus as sales engineer for American Zinc Oxide and was named manager of the pigment division in 1940. Mr. Eide was made vice-president of American Zinc Oxide and American Zinc Sales Company in 1944.

## Nat'l Distillers Ships First Sodium Tankcar

The first tankcar of metallic sodium from the $10,000,000 Ashtabula, Ohio, plant of National Distillers Chemical Corporation was shipped out on June 20. The company, subsidiary of National Distillers Products Corporation, New York, plans expanded production and regular deliveries. Rated annual capacity of the new plant is 18,000 tons of metallic sodium and 27,600 tons of chlorine. Chlorine delivery is being made to the adjacent plant of Hooker-Detrex, Inc., manufacturer of trichloroethylene.

## Di-isobutylene Advanced

One producer of di-isobutylene advanced the price of tankcar quantities late last week by a full cent. This brought the quotations of this maker to 6½ cents per pound f.o.b. works. Drum prices were not involved in the change.

### *Who Has It?*

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amyl crotonyl acetate.
Dimethyl chloroacetal.
2-hydroxy-quinoxaline.
Lauryl biguanidine chlorhydrate.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexyl phenidyl 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

Oil, Paint and Drug Reporter, Vol. 157, No. 26, June 26, 1950. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1950, by Schnell Publishing Company, Inc.

## Intermediates Output Decreased Last Year

Total output of all cyclic intermediat in 1949 was 2,500,000,000 pounds, or a proximately 13 percent less than the re ord production of 2,900,000,000 pounds pr viously reported for 1948, according preliminary statistics released by t United States Tariff Commission.

A large part of the output is used the producing concerns in further proces ing. Sales in 1949 amounted to 869,000,0 pounds, valued at $149,000,000, compare with 1,136,000,000 pounds, valued at $18 000,000, in 1948, a decrease of 24 perce in quantity and 19 percent in value.

The production in nitrobenzene, us chiefly in the manufacture of more a vanced intermediates and dyes, amount to 65,000,000 pounds in 1949, which was percent below the output of 124,000,0 pounds in 1948 and 55 percent below t record output of 142,000,000 pounds 1947. The other large volume interm diates, which showed a decrease in outp in 1949 compared with 1948, were:—Cr sols (37 percent), phenol (25 percen naphthalene (25 percent), anilin (22 pe cent), monochlorobenzene (17 percent cresylic acid (11 percent), o-dichlorobe zene (10 percent), phthalic anhydride percent), and p-dichlorobenzene (3 pe cent).

The output of naphthalene sulfor acids, used in the manufacture of a lar number of coaltar dyes, decreased from percent to 63 percent, depending on t individual acid. The production of styrer on the other hand, increased, the outp being 390,000,000 pounds in 1949 compar with 377,000,000 in 1948.

## *In This Issue*

American Can Loses Antitrust Suit
Amer. Cyanamid Cuts Two Compounds
Amer. Cyanamid Elects Powers
Amer. Plant Food Council Sets Program
Antibiotics Marketing Revision Satisfactory
Atlas Promotes Craig, Ericson
Barnett Resigns
Bennett Aims at Senate
Bickell Honored
Bush Aromatics Acquired by Dow
Chemicals Use in Food Probe Voted
Copper Duty Suspension Hits Snag
DeGroote Gets Lamme Medal
Dewey & Almy Pres. Opens Symposium
Diketan Opens New Plant
Dow Chemical Adds Tobin
ECA Authorizes Procurements
Ferguson Joins Ferguson Co.
Fertilizer Tag Sales: May
Food Research Labs Acquires Building
Gane & Ingram Correction
Glidden Makes Cortisone
Goodrich Develops Rabbit Repellent
Hilton-Davis Offering Two New Blues
Ichthyol Gesellschaft Rights Vested
Lignite Report Available
Margarine Output: April
MCA Sets Public Relations Program
Merck to Offer Cortisone to Hospitals
Mich. Chemical Assn. to Play Host
Monsanto Appoints Rosenquist
Monsanto Names Francis
NAPA Told High Prices Serious Threat
Nat'l Lead Offering Vinyl Stabilizers
Naugatuck Moves Vinyls Staff
NE Paint Club Outing Set
New York P.A's Elect Lamborn
OPD Closed July 3
Patent Laws Bill Voted
Pennsalt Appoints Wirwille
Pfizer Antibiotics Div. Names Martin
Pfizer Names Rooney
Phillips Has 'Diox 7'
PPG Veteran Feted
Queen Chemical Acquires J. D. Processing
Reason-Lewis Making Synthetic Resins
Tenn. Eastman Offers Tankwagon Service
Tetraethyl-Ammonium Bromide Offered
Tin Smelter Bill to House
US Miscellaneous Chem. Output: 1949
US Stoneware Names Fine
Vegetable Oils Imports: Jan.-Apr
Witco Issues Bulletin

### *General Features*

Advertising Index
Association Meeting Dates
Bids Wanted
Book Review
Classified Advertisements
Coke By-Products
Consulting Chemists and Engineers
Crude Oil Stocks
Current Market Quotations
Editorials
Imports
Imports Detained
Obituaries
OPD Price Index
Trade Briefs 49
Washington Talks It Over
Who Has It

### *Market Reports*

Agricultural Chemicals
Botanical Drugs, Spices, Gums
Coaltar Chemicals
Drugs and Fine Chemicals
Essential Oils, Other Aromatics
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals
Oils, Fats and Waxes
Petroleum Derivatives
Protective Coating Materials
Textile and Leather Chemicals

## Bush Aromatics Acquired; Becomes Dow Div. July 1

Dow Chemical Company, Midland, Mich., has purchased Bush Aromatics, Inc., New York. The newly acquired firm will begin operations as a division of the Dow company on July 1 under the direction of Dr. Arthur Behr, director of aromatic research at Dow for the past ten years.

Ernest Briggs, jr., currently aromatic chemical sales head at Dow, will assume direction of all sales activities of the new division. B. T. Bush, president of Bush Aromatics, will serve in an advisory capacity, while Edward A. Bush and B. T. Bush, jr., will continue as sales representatives of the new concern.

The division, which will have its sales offices at 136 Liberty street, New York, and a plant and administrative offices at Lackawanna warehouse, 629 Grove street, Jersey City, N. J., will be the exclusive United States, Canadian and Cuban representative of the French firm, Synarome.

## Merck to Make Cortisone Available to Hospitals

Merck & Co., Rahway, N. J., will make cortisone available early next month to a large number of hospitals throughout the United States under the firm's trade name, "Cortone." The company stated that steadily increasing production of the material and the accumulating knowledge concerning its use in rheumatoid arthritis and other diseases have made limited distribution possible.

For a temporary period "Cortone" will be supplied only to those hospitals having certain minimum facilities operated by trained technicians and under the supervision of qualified physicians. Hospitals registered by the American Medical Association, numbering approximately 6,300 throughout the country, meet these requirements and are qualified to receive "Cortone."

Deliveries will be made to these hospitals in packages of three vials, each vial containing 300 milligrams of "Cortone." The price to hospitals will be $28.50 per vial, equivalent to $95 per gram.

## Glidden Makes Cortisone

Glidden Company, Cleveland, Ohio, has begun production of cortisone at the concern's soya products division plant in Chicago. The company, which is a manufacturer of paints and varnishes, vegetable oils, food products and fine chemicals, expects to expand greatly its production of the adrenal cortical compound this year.

*Hyman Vice-President*

J. Newton Hall, sales manager of Julius Hyman & Co., Denver, Col., since its organization in 1946, has been elected vice-president in charge of sales and merchandising. Mr. Hall was previously with the War Production Board in Washington. The Hyman company is a producer and marketer of "Aldrin" and "Dieldrin," two new insect toxicants.

## Reasor-Lewis Making Full Line of Synthetic Resins

Reasor-Lewis Corporation, Jacksonville, Fla., will soon place on the market a complete line of synthetic resins, according to Robert D. Eno, who is in charge of developing the national distribution and has already appointed a number of representatives.

Included in the synthetics will be straight esters, gloss oils, ester solutions, modified maleics, phenolics, metallic resinates and other specialties.

The Reasor-Lewis plant was built about twelve years ago and originally operated by Filtered Rosin Products, Inc. In 1946, Brown Oil & Chemical Corporation, Port Richmond, N. Y., purchased it and began enlarging and installing synthetic kettles. Reasor-Lewis purchased it in 1948 and began another expansion program which ended last month.

John O. Lewis is president of Reasor-Lewis, G. L. Reasor is vice-president, Roy P. McRae is secretary-treasurer, and Ralph Mood is plant manager.

# *Washington Talks It Over*

By Ralph L. Cherry

The conflicting philosophies of the administration's trade agreements program and its farm price-support program are threatening a split between the farm bloc and the White House. The matter nearly reached a head during consideration by Congress of the CCC funds bill. It is sure to burst forth later, however, unless the administration maintains a firm hand over the situation.

The aim of the reciprocal trade agreements program, of course, is to lessen the barriers to world trade by reducing import tariffs and taxes and removing quota restrictions. The aim of the price-support program is to maintain a high price level for the products of American agriculture —even if it is necessary to impose restrictions of imports of foreign competing products.

The authority to restrict agricultural imports when they threaten a price-support program is contained in the agricultural adjustment act. The authority was largely nullified when the Geneva agreement was drafted, but the farm bloc has had the authority revitalized by a provision in the CCC funds bill which states in effect that no future agreement shall contain a provision that would limit the right to impose restrictions on agricultural imports when they interfere with a price program.

It is conceivable that it will not be long before the administration will have to face the prospect of deciding whether to maintain support prices on certain farm products by closing the doors to imports or carry out the theory of the trade agreements program and let farm prices find their own level. The test may come with respect to butter. It is understood that a considerable quantity is likely to find its way to this market from Denmark, which will put the question right up to the government of what to do with the butter price-support program.

If it comes to a showdown, the government can find support for taking a position against supporting the price and in favor of butter imports in a report of the Foreign Agricultural Trade Policy Advisory Committee, a group formed last November to advise the Department of Agriculture in matters involving foreign agricultural trade and policies. This group contends that, since the United States today is the world's leading nation, it must thrust its nationalistic schemes aside when they conflict with the broader program of working toward world peace.

### Increasing European Exports

ECA is moving in another direction to promote increase dollar exports from Marshall plan countries and thereby help to close the dollar gap. In addition to all its other activities having this aim, it is now undertaking a special study of import and export financing procedures here and abroad. The study will have as its objective recommendations for improving export credit facilities in Europe and import credit facilities here, with special emphasis on financing inventories from which quick deliveries can be made to dollar markets.

August Maffry, vice-president of the Irving Trust Company of New York and former vice-president of the Export-Import Bank of Washington, will head the study. An economist as well as banker, Maffry was a technical adviser to the United States delegation to the Bretton Woods conference in 1944 and to the inaugural meetings of the International Monetary Fund and International Bank in Savannah in 1945. During 1948, he served as consultant to ECA on financing procedures. He left recently for Italy to begin his work for ECA.

The study will cover all credit aspects of European exports to dollar markets

—*Continued on page 32*

# American Plant Food Council Sets Program for Annual Convention

Dr. Douglas S. Freeman, of Richmond, Va., author, historian and Pulitzer Prize winner, will be the principal speaker at the fifth annual convention of the American Plant Food Council to be held at The Homestead, Hot Springs, Va., June 29 to July 2. He will speak at the annual banquet session, July 1, which will highlight the convention. For his four volumes on Robert E. Lee in 1934, Dr. Freeman was awarded a Pulitzer Prize.

The convention sessions will formally begin June 30 with the presidential address by Clifton A. Woodrum, following which Senator Spessard L. Holland, of Florida, member of the senate committee on agriculture and forestry, will speak. W. R. Thompson, associate leader, extension agronomy, Mississippi State College, will follow Senator Holland with an address on "Plant Food and Pastures." Appointment of convention committees, a brief business session and the election of nine members to the board of directors will be a feature of the June 30 session.

The six national winners in the 1950 essay contest on "Soil Fertility and the Nation's Future" will receive their awards July 1 from Assistant Secretary of Agriculture Knox T. Hutchinson, chairman of the national board of judges. Other national judges for the contest are Dr. Hugh H. Bennett, chief, soil conservation service, Department of Agriculture; Miss Lois M. Clark, assistant director, division of rural service, National Education Association; Dr. W. T. Spanton, chief, agricultural education service, United States Office of Education, and Dr. M. L. Wilson, director of extension work, USDA.

Sponsored by the National Grange and American Plant Food Council, the 1950 contest attracted more than 20,000 essays from young men and women in the forty-eight states and District of Columbia. Albert S. Goss, master of the National Grange, is scheduled to speak in connection with the awards which total $10,000. National prizes in the contest are:—First, $1,000; second, $500; third, $400; fourth, fifth and sixth, each $300. The national winner will read his or her paper as a feature of the presentation ceremonies.

On July 2, the council's board of directors will meet to elect an executive committee and a new committee chairman. Judge Woodrum announced the following committee chairmen:—Convention, J. A. Howell, president, Virginia-Carolina Chemical Corporation, Richmond; credentials, W. L. Waring, jr., president, Lyons Fertilizer Company, Tampa, Fla.; golf, Albert B. Baker, jr., Bradley & Baker, New York; hospitality, G. Tracy Cunningham, assistant general sales manager, Armour Fertilizer Works, Atlanta; ladies, Mrs. A. B. Baker, sr., of New York, and memorial, L. Dudley George, secretary-treasurer, Richmond Guano Company, Richmond.

## American Can Loses Antitrust Laws Suit

Federal Judge George B. Harris ruled in San Francisco, June 22, that the American Can Company had violated the Sherman and Clayton antitrust laws and ordered the company to end its practices of allowing "quantity discounts" to big canners, of entering "total requirements" contracts with canners for more than one-year periods, and of entering into purchase contracts on a basis of more than one plant per contract.

The court, however, refused a government request that total requirements contracts be completely abolished and that the firm be ordered to withdraw from the manufacture and leasing of can closing machines.

In commenting on the decision, C. H. Black, American Can president, said that "while the judgment entered calls for detailed regulation of certain business procedures, the important point is that the judge upheld the principle of the requirements contracts in the can industry for annual periods and ruled against divestiture of our facilities for building and leasing of closing machines.

"Today's decision recognizes the fact that the requirements contract protects canners and other container customers by assuring them of an adequate and reliable source of supply regardless of their fluctuating needs, without the financial risks and wastefulness involved in purchasing outright against estimates of unpredictable future requirements. Under the decision, requirements contracts are limited to one year's duration, a shorter period than has been customary in the industry.

"Pursuant to the direction of the court, the company will make closing equipment generally available on a basis of lease or sale and will also furnish its patents and 'know-how' to other manufacturers of such equipment."

## Phillips Has 'Diox 7' In Semi-Commercial Lots

Phillips Petroleum Company, Bartlesville, Okla., is currently offering in semi-commercial quantities "Diox 7," tert-butylisopropylbenzene hydroperoxide, in a 50-percent solution with the parent hydrocarbon material. The new chemical is said to be effective as an oxidant or "initiator" to promote rapid emulsion polymerization of butadiene and styrene with redox and peroxamine formulas such as those employing ferrous pyrophosphate and polyamines.

Tert-butylisopropylbenzene hydroperoxide in the pure state is a white crystalline compound. The 50-percent solution is semi-solid at room temperature but completely liquid above 110 degrees Fahrenheit. For a hydroperoxide, it is claimed to have high relative stability and satisfactory solubility in certain organic solvents. Both the hydroperoxide and the solvent are said to have low volatility and the solution has a flash point of approximately 300 degrees Fahrenheit.

## Amer. Cyanamid Elects Powers Vice-President

American Cyanamid Company, New York, has elected E. D. Powers a vice-president of the concern. In his new post he will be responsible for all plant operations, including related activities of staff departments.

Mr. Powers joined American Cyanamid in 1918, becoming plant engineer at Niagra Falls, Ontario, Canada, in 1923. In 1940 he was appointed plant manager of the company's Welland, Ontario, plant, and served in this capacity until 1946. Prior to his election as vice-president, Mr. Powers was production manager of the company.

## H.R. Barnett Resigns

H. Richard Barnett, president and director of American Key Products, Inc., New York, has announced his resignation of both posts, effective today. The firm of American Key Products, meanwhile, will continue in business under the direction of Victor Petschek.

## Goodrich Develops Rabbit Repellent for Gardeners

A new rabbit repellent for gardeners that reduces the amount of damage to agricultural crops, flowers and vegetables has been introduced commercially by B. F. Goodrich Chemical Company, Cleveland, Ohio. The new chemical formulation, called "No-Nib'l," is packaged in powder form in six-ounce cans that are said to contain sufficient repellent to protect the area of the average small home garden plot.

## National Lead Offering 2 New Vinyl Stabilizers

National Lead Company, New York, has available in commercial quantities two new vinyl stabilizers. They are "Dutch Boy Plumb-O-Sil C" and "Dutch Boy Plumb-O-Sil D." Co-precipitates of lead orthosilicate and silica gel, they are used primarily in translucent compounds, imparting heat and light stability to vinyl plastics.

At the same time, the company announced that production on "Dutch Boy Dyphos" (dibasic lead phosphite), another National Lead vinyl stabilizer, has been stepped up to full capacity because of heavy demand.

## Pfizer Antibiotics Div. Appoints Martin, Sands

The antibiotics division of Charles Pfizer & Co., Brooklyn, N. Y., has appointed Dr. Francis E. Martin and Fred C. Sands to the posts of director of medical research and assistant sales manager, respectively. Dr. Martin was formerly in the chemical research division of Ciba Pharmaceutical Products, Inc., Summit, N. J. Mr. Sands was previously assistant sales manager for Hoffmann-La Roche, Inc., Nutley, N. J., and prior to that was associated with Sharp & Dohme, Inc., Philadelphia.

# Webster pulled a boner!

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Anhydrous Sodium Metasilicate
Chloride of Lime
Ferric Chloride (Lump & Crystal)
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Waxes

ISCO

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CLEVELAND
CHICAGO
GLOVERSVILLE
PHILADELPHIA

WHEN Noah Webster was compiling his dictionary in the early 19th century, he forgot to approach the thriving, young firm of Innis, Speiden for a definition of the word "ISCOoperation". ISCOoperation means, of course, that Innis, Speiden & Co., with all its "operating" plants and branch offices, is ready to "cooperate" with you in solving production and supply problems.

But better than a definition . . . have an ISCO representative give you a working demonstration of ISCOoperation! You'll find he is a young "old-timer" with an average of 15 years practical experience in the chemical field. He'll be frank to admit it if he cannot solve your problem on the spot, but will gladly call on the technical know-how of the ISCO laboratories in Jersey City and Niagara Falls.

Webster pulled a boner, but you need not miss the benefits of ISCOoperation!

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## NAPA Told High Prices Serious Threat to Economy

There are some serious problems ahead that will affect the United States economy, but they are not insurmountable, T. A. Corcoran, retiring president of the National Association of Purchasing Agents, told the recent annual meeting of that organization in Cleveland.

Mr. Corcoran, purchasing agent for the *Courier-Journal* and the *Louisville Times*, Louisville, Ky., declared that these problems can be faced "if we can have the wholehearted cooperation of all segments of our economy, including management, labor, farmers and government."

One of the most serious problems, as Mr. Corcoran sees it, is the need to reduce prices generally. Purchasing can and should take a leading role in this one, he said, and it should have the active and sympathetic backing of management.

"If we are successful," he said, "and thereby keep our complicated industrial machine operating at somewhere near top speed, we can preserve indefinitely this economic system of ours that has brought us all such fabulous benefits during the first half of the Twentieth Century."

Mr. Corcoran was succeeded as president by Harold F. Jones, member of the purchasing department of E. I. du Pont de Nemours & Co., Wilmington. The 1950-51 financial member of the executive committee is Sam H. Harper, division purchasing agent for the Pure Oil Company, Houston, Tex.

## U. S. Stoneware Names Fine Ass't Sales Mgr.

G. W. Fine has been appointed assistant sales manager of the plastic coatings division of the U. S. Stoneware Company, Akron, Ohio. Mr. Fine was previously associated with the Sherwin-Williams Company, Cleveland, Ohio, first as a laboratory technician and more recently as a member of that firm's sales staff.

## Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.
American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.
American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.
American Gas Association, Atlantic City, October 2-6.
American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.
American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16
American Plant Food Council, Homestead hotel, Hot Springs, Va., June 29-July 2.
American Society for Testing Materials, Atlantic City, N. J., June 26-July 1.
American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.
Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27
Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.
Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.
Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.
Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.
International Microchemical Congress, Graz, Austria, July 2-6.
National Association of Retail Druggists, Long Beach, Calif., October 15-21.
National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.
National Chemical Exposition, Coliseum, Chicago, September 5-9.
National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.
National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18
National Safety Congress, Chicago, October 18-20.
National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.
Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.
Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.
Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.
Society of Rheology, New Yorker hotel, New York, November 3-4.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.
Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

# MCA Inaugurates Public Relations Program

The name, "chemical," is getting an undeserved, bad reputation among the public, said William M. Rand, chairman of the board of the Manufacturing Chemists Association at its seventy-eighth annual meeting, June 19, in Spring Lake, N. J. The condition calls for correction, he commented; and the board, he reported, had set up a new office in the organization, that of executive vice-president, whose duty it would be to develop proper rela-

**William M. Rand**
MCA Board Chairman

tions of chemical manufacturers, the industry as a whole, and the association with the public. Robert L. Taylor, currently editor of *Chemical Industries*, will take over the position August 15.

Public relations were given a deal of emphasis in the proceedings of the meeting, especially in a panel discussion under the direction of George W. Merck, president of the association. In setting up the discussion, Mr. Merck said that the chemical industry's number one task is to make the public fully aware of the industry's efforts to achieve cleaner air and cleaner streams, improve safety records, lengthen lives, and serve humanity in countless other ways.

Stressing the need for dealing with every problem in the frankest way to earn the public's long-range confidence, Mr. Merck said that the industry's technical achievements in such matters as safety and pollution abatement can be largely wasted unless the public can be shown that "we are doing the right thing." "Public thinking," he said, "can and should be made aware that we are leaders in care of our rivers and streams and purifiers of the air; leaders in safety methods inside and outside our plants; and pioneers in making the resources of chemistry serve man. We find too often our standing with the public is different from what we think. I fear we look at things occasionally through glasses that are too rosy, and in our public relations are inclined to be lenient and interpret things to our favor rather than not."

### Chemicals in Foods

Mr. Merck pointed out that chemicals had been used in foods for many years and that long-term feeding tests had proved these chemicals to be as noninjurious as they were effective, particularly many of the newer chemicals, including vitamins. "But I doubt very much," he continued, "if the wide acceptance of these would have been as rapid and universal if an educational program had not laid the foundation and proved to the public that better diets were needed and that these chemical additives would enrich the nutrition of the nation. In the case of the use of certain chemicals—minerals and vitamins—in bread, a most effective nationwide campaign of educating the public was carried on and this won widespread public backing."

Chairman Rand said that the association was sponsoring the study of chemical additives to foods by a committee of nutritionists, toxicologists, chemists, and lawyers in cooperation with governmental agencies.

### Getting to the Public

Recalling the comment of Charles S. Munson as president of the association two years ago, Mr. Merck stressed the need that the public he made properly aware of its services from the chemical industry. He quoted Arthur Page on the opportunities of the industry to "improve the comfort, health, and happiness of the American people," and he declared:—"Good public relations is simply a matter of good morals and good manners. We should first see to it that what we are doing is right. The best possible public relations activities can't make wrong right. It is equally important to be sure that the impression of what we do is right. Doing the right thing but having it misunderstood is very bad public relations work."

Public relations are not merely favorable news or public attention; oftentimes those things forfeit public respect, said J. Handly Wright, of the Monsanto Chemical Company. Public impressions are formed on the basis of actions; what is done, not what is said, is what counts. Public relations of a company, he continued begin with actions in the organization and its community. They present a responsibility that what is sought is deserved.

The association, as such, can't do the full job of public relations for the industry, said George R. Freyermuth, of the Standard Oil Company (New Jersey). But, it can serve as a reliable source of information on the industry and report its activities, which are unwisely kept to itself. There is a difficulty in enabling the association to speak for all parts of the industry, but it can develop and promote a program for the members of the industry.

The association's program cannot accomplish any magic, said Glen Perry,

**Robert L. Taylor**
New Executive Vice-President

The association can supply armament, but of E. I. du Pont de Nemours & Co. The front line is in the plants of the industry. it must be used locally for best results; it can counsel and assist but it cannot act. There is no short cut in public relations, Mr. Perry said; they cannot be promoted by saying what actions refute. And he made particular point that public opinion is not made by government but is grasped and used by it.

The way to get the public to know and appreciate the service and volume of the chemical industry is a long one, said S. D. Kirkpatrick, editorial director of *Chemical Engineering*. It starts in the industry's background, among its employees, in its communities. The people must be told.

### Pollution Abatement

Recognized as one of the industry's big problems in the areas of public relations, pollution of air and streams from plant operations got much attention in the meeting. William M. Rand, board chairman, said it presented a problem which the industry must solve or have solved for it without due regard for attendant conditions. He told of the modeling of a state law to abate air pollution. In the report of the board telling of the creation and functioning of the air pollution abatement committee, it was said:—

"The committee has formulated a program of specific objectives, each under the guidance of a special subcommittee. These include (1) informing management on the trends of pollution abatement activities, (2) liaison with other organizations interested in abatement studies, (3) public relations, (4) public health, (5) industrial toxicology, (6) legislation, (7) bibliography of pertinent literature, (8) exchange of technical information, and (9) preparation of a manual of abatement methods, which will deal with various types of chemical air pollutants, safe tolerances, instruments for measuring, equipment for control, etc.

"In the legislative field, the writing of reasonable and workable air pollution control measures has been handicapped by lack of fundamental knowledge of technical nature. Unfortunately, ignorance frequently generates unwarranted fear, with the result that drastic regulations may be imposed which are unnecessarily restrictive. In chemical manufacturing, as well as in other branches of industry, this can discourage the continuance of existing operations or the establishment of new ones. Obviously, localities sponsoring restrictive legislation might be adversely affected in this manner."

The board told also about the activities of the water pollution committee, saying, in part:—

"Principal objectives of the committee include the following:—(1) To arouse and maintain the interest of the chemical industry in water pollution abatement, (2) focus attention on the industrial importance of water, (3) emphasize the effect which failure to dispose of industrial waste in an acceptable manner has on public relations, (4) foster the enactment of uniform legislation at the state level which will provide for the control of pollution on a sound and workable basis, (5) provide for the exchange of technical information between representatives of member companies, and (6) assemble available information on waste treatment methods and make it available to the membership in usable form. The high caliber of committee membership is evidenced by the fact that individual members hold representation on the Delaware Water Pollution Control Board, the Industrial Committee of the Interstate Commission on the Potomac River Basin and the National Technical Task Committee on Industrial Waste, which is an official advisory group to the United States Public Health Service.

"Work on the drafting of a model state act for the control of water pollution—begun two years ago—has been completed. This act, in its present form, has been endorsed by the M.C.A. board of directors and bears the approval of both the legal advisory committee and the water pollution abatement committee. It has been used as the basis for one state act now in force and is being considered for adoption in another state. Copies of the act are available to member companies upon request."

A second manual on waste treatment has been issued; it deals with insoluble

**George W. Merck**
MCA President

and undissolved substances. A third manual, on acid and alkaline wastes, is nearing completion.

Other matters covered by the report of the board and commented upon by Mr. Rand included legislation (national, state, and local), trucking, packaging, transportation of chemicals, truck and tankcar traffic, safety, containers, poison regulations, warning labels (the manual has been revised), and minimum wages under government contracts. Six new safety bulletins were issued during the year. Mr. Rand reported, also, that Lammot du Pont had set up a fund to provide bronze plaques and other safety awards for chemical companies over the next ten years.

### International Situation

Supplements to the report of the board were made by Howard Huston, of the American Cyanamid Company, and S. C. Moody, of that company's Calco Chemical Division, who is president of the Synthetic Organic Chemical Manufacturers Association. Both had to do with chemical aspects of international economic and political situations. Mr. Hustor related some of his experiences at the recent meeting of the chemical division of the International Labor Office, with its vague program participated in by fourteen nations.

The conference refused to pass a condemnation of the chemical industry as especially hazardous, which had been backed by labor interests other than those of the United States. Other related matters considered included health and safety codes and the preparation of a warning label internationally understandable. Par-

—*Continued on page 37*

# is it . . . a streetcar? a roller coaster . . . the leviathan?

*"What've I got in my hands?"* was a honey of an old-time vaudeville act. If you recall—the straight-man would hunch his shoulders, teeter forward and cautiously take a guess. His absurd answers produced gales of laughter — the audience screamed at h s impossible suggestions.

This parody on guessing-games is something to remember.

How much guess-work are you doing daily?

Are you sure your orders for Fatty Acids will be delivered on time? For — if they don't arrive when needed — your production slows down and deliveries stop.

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Streetcar . . . roller-coaster . . . Leviathan? Don't guess. Call Woburn when you need Fatty Acids. Then you'll be sure of deliveries on time.

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# Current Market Quotations

## Chemicals and Related Materials

### June 23, 1950

**Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.**

**All matters under this heading fully protected by copyright.**



## A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb 46 - —
above 92.5 C, m.p. dms., works, lb. .50 - —
Acetaldehyde, 99%, dms. c.l., frt. equald lb. .11½ —
t.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½ —
Acetaldol (see Aldol)
Acetamide, tech. fib., dms ... lb 45 - —
Acetanilide tech. bbls., c.l., dlvd or frt. equald lb. .22 - —
t.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb .50 - —
smaller lots lb .56 - —
Acetic anhydride dms., c.l., frt. alld. E lb. .13 - —
t.c.l., frt alld E lb. .14½ - —
tanks, frt. alld E lb. .11½ - —
Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib dms., c.l., dlvd lb. .66½ - —
t.c.l., dlvd lb. 67½ - —
Acetoacetorthoanisidide, fib dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1 75 - —
Acetoacetorthochloranilide, bbls., dlvd lb 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
t.c.l., dlvd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .72½ - —
fib. dms., c.l., dlvd lb. 71 - —
t.c.l., dlvd lb. 72 - 78
Acetone, CP, dms., c.l., dlvd lb. .09 - .09¼
t.c.l., dlvd lb. .09½ - .10¼
tanks, dlvd lb. .07½ —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
t.c.l., works lb. 45 - —
Acetophenetidin USP, bbls., works, frt equald lb. 1.10 1.33
Acetophenone cns. dms lb 1.30 1.85
tech., t.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, d m s., 500 lbs or more, works, lb. 1.65 - —
smaller lots same basis lb 1.90 - —
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs. lb. .41 - 47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
t.c.l., works lb. .1145 -
cryst., dms., c.l., works lb. .05½ —
t.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs 9 40 - —
glacial, synthetic, CP, dms., works 100 lbs.15.00 —
cbys., works 100 lbs.18.00 -22 00
USP, cbys., works 100 lbs.13.50 -17.50
tech., dms., c.l., works 100 lbs. 9.00 9.50
t.c.l., works 100 lbs. 9.50 -10 00
tanks, works 100 lbs. 7.50 —
Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.
Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh) bbls same basis. lb. .50 - —
Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Aconitic, 5,000 lbs 1 shipt, dms. lb. .49 - —
smaller lots, dms lb. .49½ - .54½
Adipic, fib. dms., works lb. .26½ - —
Aminoacetic NF bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 —
tech., bbls. lb. 1.10 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP dms. 500-kilo lots kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, chys. c.l., E. works, 100 lbs. 1.60 1.75
t.c.l., E. works 100 lbs. 2 15 2.85
Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms., 100 lbs up lb .54 - —
Betahydroxynaphthoic bbls., works lb. 1.25 - —
Boric, tech. 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi. ton.160.00 - —
less ton lots same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi. ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi. ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi. ton.155.00 - —
less ton lots, same basis. ton..160.00 - —
Boric, tech., 99½%, powd., bgs., bulk c.l., works ton.86.75 - —
powd., bgs., c.l. works ton.95 25 - —
ton lots, ex whse., N Y or Chi ton.140.00 - —
less ton lots same basis ton.145.00 - —
bbls., c.l. works ton.115.25 - —
ton lots ex whse., N Y or Chi ton.160.00 - —
less ton lots same basis. ton.165.00 - —
bulk c.l., works ton.91 75 - —
USP $25 per ton higher.
Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .34½ - —
t.c.l., works lb. .35 - —
tankcars works lb. .33 —
Cacodylic, bots. lb.10.00 -11.00
Camphoric, natural, dms lb 5.00 5.65
synth., dms lb 4.00 4.75
Capric, tech., dms lb. .40½ - —
Caprylic, dms lb. .40½ - —
Castor oil, split, dms lb. .27 - .27½
Chlorosulphonic dms., c.l., works, lb. .03¼ - —
t.c.l., works lb. 03¾ - —
tanks, works lb. .02¾ - —
Chromic, 99½-99¾% dms., c.l. works lb. .25½ - —
t.c.l., works lb .26 - .27
USP (see Chromium trioxide).
Cinnamic, refd. bots lb. 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs., 1 ship't. lb .27 - —
smaller lots lb. .27½ - —
kgs. lb. .28½ - —
gran., fine gran., dms., c.l. lb. .24½ - —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½ - —
kgs. lb. .26½ - —
USP citric acid powder ½c. per lb higher.
Cleve's, mixed, bls lb. .72 - —
Coconut oil, dist., dms lb. .24 - .25¼
double dist., dms lb. .26 - .27¼
Corn oil, s.d., dms lb. .10¾ - .11¼
Cottonseed oil, dist., dms lb. .11¼ - .12¼
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt equald gal. .81 - 96
t.c.l., non-ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .78 - —
t.c.l. same basis gal. .81 - —
Acid, cresylic, dom. coaltar, 50% above 207°C, tanks, same basis gal. 70 - .83
204° to 207° C. non-ret. dms., c.l., same basis gal. .91 - .96
t.c.l., same basis gal. .94 - .99
ret. dms. c.l. same basis, gal. .88 - —
t.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .83
petroleum, 179°C to 198°C, non-ret. dms., c.l. San Francisco and Los Angeles gal. .67½ - —
t.c.l., same basis gal. .69½ - .71½
tanks, same basis gal. .57 - —
195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ - —
t.c.l., same basis gal. .57½ - .59¼
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal gal. .40¼ - —
211°C to 236°C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ - —
t.c.l., same basis gal. .55½ - .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½ - .41½
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½ - —
t.c.l., same basis gal. .53½ - .55½
tanks, same basis gal. 41 - —
245°C to 298°C. tanks, Wilmington, Cal gal. .36½ - —
295°C to 325°C. tanks, Wilmington, Cal gal. .26½ - —
imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½ - .57½
Crotonic, fib dms. works lb .29 —
Cyanoacetic, tech. bbls lb. .90 1.25
Desoxycholic lb.17.00 -22 00
Dichlorophenoxyacetic, (see "D" 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
t.c.l. works lb 31½ - —
tanks works lb 29½ —
F, bbls., works lb 1.87 1.93
Folic, bots. fib ctns. kilo or more gram 2.00 —
Formic, 85% cbys. c.l. works lb 13 13½
t.c.l., works lb. 13½ 14
90%, cbys., c.l., works lb 13½ 14
t.c.l., works lb 14 14½
Fumaric, tech. bbls., dms lb 30 .31
Gallic, NF VII, bbls., 1,000-lb. lots lb 1.60 —
smaller lots lb 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb 1.46 1.48
Gamma, bbls lb 1.20 —
Acid, gluconic, tech., 50%, bots lb. .23 .31
dms lb .14 - —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.30 2.40
25 lb lots lb 2.45 —
Glycerophosphoric, 35%, dms., works lb. 2.15 2.23
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½ —
Hydriodic, 45-47%, cbys lb 2.57 2.59
57%, cbys lb 2.86 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .33 —
tech., 48%, cbys., dlvd E lb. .34 .36
34% cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 —
dilute, NF, 2%, 5-lb bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. 16½ - —
30%, wood or rubber, dms., works lb. .08½ - .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. 08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. 084 - —
tanks, Belle W Va., 100% basis lb. 085 - —
Hypophosphorus, purif., 50%, cbys. lb 1.30 1.52
USP, cbys lb 78 —
J, bbls., works, 100% basis lb 2.50 2.85
L, bbls., works lb. .95 —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .16
smaller lots lb. 17 - .19
60%, bbls. 20 bbls. or more, lb. .285 .332
plastic grade, 50% bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3495 .3515
tech., 22%, bbls., s.l., works 100 lbs. 5.80 - —
t.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
t.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 —
NF, 85%, cbys lb .69 72
Laurent's, bbls lb. .60 - .87
Lauric, dist., 85-90%, dms lb .28 .29½
60%, dms. lb. .25 .25½
Linseed oil, reg. dist., dms lb. .2150 .2210
water-white, dms lb. .2450 .2510
Maleic, powd., dms lb 30 .31
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb 1.90 - 2.10
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ - .80
Mixed, tanks, nitric unit lb. 05 06
sulphuric unit lb. 0085 009
Molybdic, dms., 85%-92%, works lb. .88 - —
Monochloroacetic, purified, flake, 99%, dms lb 22½ 23½
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.90 - 2.15
t.c.l., works 100 lbs. 2.55 - 3.25
tanks, works ton.20.00 - —
20°, cbys., c.l. works 100 lbs. 2.15 - 2.65
t.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton.22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
t.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton.25.00 -27.00
CP, USP, consumers, cbys., extra c.l., frt. equald lb. .07¾ —
t.c.l., same basis lb. 09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
t.c.l., same basis lb. .14½ - .15½
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .30½ - —
Naphthenic 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .83 - —
Nicotinic, USP, dms., frt adjusted lb. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 —
t.c.l., E. works 100 lbs. 5.40 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 —
t.c.l., E. works 100 lbs. 5.90 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 6.50
t.c.l., E works 100 lbs. 6.40 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 7.00
t.c.l., E works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra c.l., frt equald lb. .11½ —
t.c.l., same basis lb. .13 .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
t.c.l. same basis lb. .17 .19
Acid, nitric, CP, NF, prices to dealers 1½c. per pound less.

## *Abbreviations*

### *Used in OPD Market Quotations*

| | | | | | |
|---|---|---|---|---|---|
| ACS | American Chemical Society | dist. | distilled | neut. | neutral |
| | | dextro. | dextrorotatory | NF | National Formulary |
| alld. | allowed | distr. | distributor | | |
| ammo. | ammonia | djns. | demijohns | nom. | nominal |
| amorph. | amorphous | dlvd. | delivered | No. | number |
| anhyd. | anhydrous | dms. | drums | ord. | ordinary |
| a.p.a. | available phosphoric acid | dom. | domestic | oz. | ounce |
| | | E. | east | Pac. | Pacific |
| artif. | artificial | e.p. | end point | pf. | proof |
| ASTM. | American Society for Testing Materials | equald. | equalized | phos. | phosphate |
| | | | | photo. | photographic |
| Be. | Baume | F. | fahrenheit | pkgs. | packages |
| bgs. | bags | ferment. | fermentation | powd. | powdered |
| bbls. | barrels | ffa. | free fatty acid | precip. | precipitated |
| bls. | bales | ffc. | free from chlorine | prod. | producer |
| bots. | bottles | fib. | fiber | pt. | point |
| b.p. | boiling point | f.o.b. | free on board | pulv. | pulverized |
| b.p.l. | bone phosphate of lime | F.P.A. | free of prussic acid | purif. | purified |
| | | frt. | freight | redist. | redistilled |
| b.r. | boiling range | fus. | fused | refd. | refined |
| bxs. | boxes | gal. | gallon | refy. | refinery |
| C | centigrade | gran. | granular | reg | regular |
| cbys. | carboys | grd. | ground | resub. | resublimed |
| CD | completely denatured | i.&a. | iron and aluminum | ret. | returnable |
| c.i.f. | cost, insurance, freight | i.b.p. | initial boiling point | SD | specially denatured |
| cks. | casks | imp. | imported | s.d | single distilled |
| c.l. | car lots | incl. | included | S. E. | southeast |
| cns. | cans | indust. | industrial | secs. | seconds |
| col | color | kgs. | kegs | s.g | specific gravity |
| com'l | commercial | lacq. | lacquer | ship't | shipment |
| conc. | concentrated | lb. | pound | solut. | solution |
| CP | chemically pure | l.c.l. | less than car lots | s.u | standard unit |
| cps. | centipoises | liq. | liquid | synth. | synthetic |
| cryst. | crystal | m.a.p. | mixed aniline point | tech. | technical |
| cs | cases | | | USP | U S Pharmacopoeia |
| ctns. | cartons | min. | minimum | vis | viscosity |
| cyls. | cylinders | m.p. | melting point | VM&P | varnish makers & painters |
| dbl. | double | N. | nitrogen | W | west |
| denat. | denatured | nat. | natural | w w. | water white |
| dest.-dist. | destructive-distilled | | | whse. | warehouse |

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

V 150 JUN XU

## Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).

| | | | |
|---|---|---|---|
| Orthocresotinic, dms., ton lots, works | lb. | .62 | — |
| smaller lots, works | lb. | .64 | — |
| Oxalic, bbls., c.l., works | lb. | .14¼ | — |
| 10,000 lbs., works | lb. | .14½ | — |
| smaller lots, works | lb. | .15¼ | .15¾ |
| Palm oil, white, dist., dms | lb. | .21¼ | .21¾ |
| Para-aminobenzoic, purified, dms., 100 lbs. or more, works | lb. | 3.75 | — |
| smaller lots, works | lb. | 3.85 | 4.00 |
| technical, dms | lb. | 1.84 | — |
| Para-aminosalicylic, dms., 1,000-lb. lots or more | lb. | 5.50 | — |
| smaller lots | lb. | 5.55 | 6.50 |
| Paramethylphenylcinchonic (see Neocinchophen). | | | |
| Paranitrobenzoic, dms | lb. | .67 | — |
| Paratoluidinmetasulphonic, bbls., works | lb. | .92 | — |
| Peanut oil, s.d., dms | lb. | .12¾ | .13¾ |
| Perchloric 60%, cbys., works | lb. | .58 | .62 |
| 70-72%, cbys., works | lb | 61 | .66 |
| Phenylacetic, bots | lb. | 1.45 | 1.75 |
| Phenylcinchoninic (see Cinchophen). | | | |
| Phenylglycollic (see Acid mandelic). | | | |
| Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald | 100 lbs. | 6.50 | — |
| l.c.l., works, frt. alld. | 100 lbs. | 7.50 | — |
| tanks, works, frt. equald | 100 lbs. | 6.50 | — |
| NF, 85%, cbys., c.l. | lb. | 10½ | — |
| For shipments in other than bulk handling charges. | | | |
| Picramic (see | | .65 | .70 |
| Picric, NF, 300 lb. bbls | lb. | .30 | — |
| smaller lots, dms | lb. | .31 | .37 |
| tech., bbls. | lb. | .32 | .33 |

| | | | |
|---|---|---|---|
| Acid, propionic, nat., dms., works | lb. | .18 | — |
| tanks, works | lb. | .17 | — |
| synth., pure, dms., works | lb. | .21 | — |
| tanks, works | lb. | .19 | — |
| Pyrogallic, tech., bbls | lb. | No prices. | |
| NF, cryst., dms | lb. | 2.95 | 3.18 |
| resub., dms | lb. | 3.30 | 3.45 |
| Pyroligneous, dms. incl., l.c.l., ex whse | gal. | .43 | — |
| Ricinoleate (see Acid, castor oil, split). | | | |
| S, bbls., works | lb. | 2.97 | 3.00 |
| Salicylic, crude, bbls | lb. | .28 | — |
| sublimed, tech., bbls., c.l. | lb. | .31 | — |
| l.c.l. | bl. | .38 | — |
| dyestuffs grade, bbls | lb. | .32 | — |
| USP, cryst., bbls | lb. | .40 | — |
| powder, bbls. | lb. | .45 | — |
| Sebacic, purified, dms., c.l., works | lb. | .47 | — |
| l.c.l., works | lb. | .49 | .53 |
| Soybean oil, single dist., dms | lb. | .13¾ | .14¾ |
| double dist., dms | lb. | .14¾ | .15¾ |
| Stearic, double pressed, bgs | lb. | .13 | .14 |
| single-pressed, bgs | lb. | .12 | .13 |
| triple-pressed, bgs | lb. | .15¼ | .16¼ |
| Succinic, purified, cryst., bbls., works | lb. | .75 | — |
| tech., bbls., works | lb. | .65 | .75 |
| Sulphanilic, tech., dms., c.y., works | lb. | .15 | — |
| l.c.l., works | lb. | .17 | — |
| Sulphuric, 60° Be, cbys., c.l., works | 100 lbs. | 1.65 | — |
| l.c.l., works | 100 lbs. | 2.05 | 2.50 |
| tanks, works | ton. | 14.40 | -14.50 |
| 66° Be, cbys., c.l., works | 100 lbs. | 1.90 | — |
| l.c.l., works | 100 lbs. | 2.30 | 2.75 |
| tanks, works | ton. | 17.75 | -18.00 |
| 96%, tanks, works | ton. | 18.80 | -19.00 |

| | | | |
|---|---|---|---|
| Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald | lb. | .07¾ | — |
| l.c.l., same basis | lb. | .09¼ | .09¾ |
| 5 pt. bottles extra, cs., c.l., works, frt. equald | lb. | .11¼ | — |
| l.c.l., same basis | lb. | .12¾ | .13¾ |
| fuming, 20%, tanks, works | ton. | 19.85 | -20.00 |
| Tallow, dist., dms | lb. | .10 | .11 |
| Tannic, tech., 60-62%, dms | lb. | .68 | .69 |
| 70-72%, dms. | lb. | .80 | .85 |
| 75-76%, dms | lb | .86 | .90 |
| fluffy, bbls., 1,000-lb. lots | lb. | 1.45 | — |
| smaller lots | lb. | 1.46 | 1.55 |
| powder, bbls., 1,000-lb. lots | lb. | 1.35 | — |
| smaller lots | lb. | 1.36 | 1.50 |
| Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. | lb. | .29½ | — |
| smaller lots | lb. | .30 | — |
| 100-lb. dms | lb. | .31 | — |
| small, dms | lb. | .33 | .35 |
| imported, kgs | lb. | .27 | .29 |
| Thioglycolic, refined, bbls., cbys., basis 100% | lb | 1.60 | 1.80 |
| tech., bbls., cbys., basis 100% | lb | 1.40 | — |
| Tobias, bbls. | lb. | .65 | — |
| Trichloroacetic, bots. | lb. | 2.00 | 2.50 |
| Toluenesulphonic, dms., c.l., works | lb. | .18½ | — |
| l.c.l., works | lb. | .20 | — |
| tanks, works | lb. | .17 | — |
| Tungstic, tech., kgs., works | lb. | 2.20 | 2.40 |
| Undecylenic, dms | lb. | 1.00 | 1.25 |
| Aconite leaves, bls | lb. | .55 | .60 |
| Root, bls | lb. | .48 | .52 |
| Aconitine, amorph., mild, bots | oz. | 27.50 | -32.50 |
| cryst., potent, bots | oz. | 78.00 | -85.00 |
| Acrolein, dms., works | lb. | .50 | — |
| Acrylonitrile, dms., c.l., works | lb. | .40½ | — |
| l.c.l., works | lb. | .41 | .60 |
| tanks, works | lb. | .39 | — |

| | | | |
|---|---|---|---|
| Adeps lanae (see Lanolin) | | | |
| Adonis vernalis herb, bls | lb. | .30 | .40 |
| Agar, USP, Kobe, No. 1 strip, bls | lb. | 1.28 | 1.30 |
| powdered, 30 mesh, fib. dms | lb. | 1.65 | — |
| Agaric, white, bls | lb. | 1.60 | 1.75 |
| Agrimony herb, bls | lb. | .30 | .35 |
| Alanine, dextro-laevo, dms., works, | lb. | 8.50 | -11.00 |
| Albumen (egg), edible, flake, bbls. | lb. | 1.07 | 1.09 |
| powd., bbls | lb. | 1.11 | 1.13 |
| tech., cryst., bbls | lb. | .72 | .79 |
| Albumin, blood, dark (see Blood, dried, soluble) | | | |
| light, dms., l.c.l | lb. | .67½ | .72½ |
| Egg (see Albumen). | | | |
| Alcohol, allyl, dms., c.l., dlvd | lb. | .31½ | — |
| l.c.l., dlvd. | lb. | .32 | — |
| tanks, dlvd | lb. | .30 | — |
| Amyl, ex pentane, dms., c.l., frt. alld, E. of Miss | lb. | .16 | — |
| l.c.l., frt. alld. E. of Miss | lb. | .17 | — |
| tanks, frt. alld. E. of Miss | lb. | .15 | — |
| (see also Fusel oil, ref.) | | | |
| fermentation, refined, 126-132°C, dms., c.l., dlvd | lb. | .33¾ | — |
| l.c.l., dlvd | lb. | .34¾ | — |
| tanks, dlvd | lb. | .32 | — |
| 128-132°C, dms., l.c.l., dlvd. | lb. | .36 | — |
| ACS grade, dms., l.c.l., dlvd | lb. | .42 | — |
| Benzyl, NF, dms | lb. | .58½ | .89 |
| tech., dms. works, frt. equald, | lb. | .45 | .50 |
| Butyl, fermentation, normal, fl., ind. prod., dms., c.l., frt. alld. | lb. | .13¾ | — |
| l.c.l., frt. alld | lb. | .14¾ | — |
| tanks, frt. alld | lb. | .12 | — |
| tankwagon, frt. alld | lb. | .12½ | — |
| other production, dms., c.l., frt. alld. | lb. | .13¾ | — |
| l.c.l., frt. alld | lb. | .14¾ | — |
| tanks, frt. alld | lb. | .12 | — |
| synthetic, normal, dms., c.l., frt. alld | lb. | .13½ | — |
| l.c.l., frt. alld | lb. | .14½ | — |
| tanks, frt. alld | lb. | .12 | — |
| secondary, dms., c.l., frt. alld. | lb. | .10½ | — |
| l.c.l., dlvd., frt. alld | lb. | .11 | — |
| tanks, dlvd., frt. alld | lb. | .09 | — |
| tertiary, dms., c.l., frt. alld. | lb. | .13½ | — |
| l.c.l., frt. alld | lb. | .14 | — |
| tanks, frt. alld | lb. | .12 | — |
| Capryl, dms., c.l., works | lb. | .26½ | — |
| l.c.l., works | lb. | .27½ | — |
| tanks, works | lb. | .25 | — |
| Cetyl, dom., CP., fiber ctns., 1,000 lbs | lb. | 1.50 | — |
| smaller lots | lb. | 1.55 | — |
| Cinnamic, bots | lb. | 2.75 | 3.20 |
| Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. | gal. | .54½ | — |
| l.c.l., dlvd. E. of Miss. R. | gal. | .58½ | .63 |
| tanks, dlvd. E. of Miss. R. | gal. | .42½ | — |
| Tankcar sales require written authorization by Alcohol Tax Unit. | | | |
| Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. | gal. | .54½ | — |
| l.c.l., same basis | gal. | .58½ | .63 |
| tanks, same basis | gal. | .42½ | — |
| Tankcar sales require written authorization by Alcohol Tax Unit. | | | |
| SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. | gal. | .53 | — |
| l.c.l., same basis | gal. | .57 | .62 |
| tanks, same basis | gal. | .41 | — |
| SD2B, dms., c.l., E. of Miss. R. | gal. | .52 | — |
| l.c.l., same basis | gal. | .56 | .61 |
| tanks, same basis | gal. | 40 | — |
| SD3A, dms., c.l., E. of Miss. R. | gal. | .51½ | — |
| l.c.l., same basis | gal. | .55½ | .60 |
| tanks, same basis | gal. | .39½ | — |
| SD23A, dms., c.l., E. of Miss. R. | gal. | .53½ | — |
| l.c.l., same basis | gal. | .57½ | .62 |
| tanks, same basis | gal. | .41½ | — |
| SD23H, dms., c.l., E. of Miss. R. | gal. | .54 | — |
| l.c.l., same basis | gal. | .58 | .63 |
| tanks, same basis | gal. | .42 | — |
| SD27A, dms., c.l., E. of Miss. R. | gal. | .84 | — |
| l.c.l., same basis | gal. | .88 | .93 |
| tanks, same basis | gal. | .72 | — |
| SD30, dms, c.l., E. of Miss. R. | gal. | .51 | — |
| l.c.l., same basis | gal. | .55 | .60 |
| tanks, same basis | gal. | .39 | — |
| SD35A, dms., c.l., E. of Miss. R. | gal. | .53½ | — |
| l.c.l., same basis | gal. | .57½ | .62 |
| tanks, same basis | gal. | .41½ | — |
| SD40, dms., c.l., E. of Miss. R. | gal. | .52 | .53 |
| l.c.l., same basis | gal. | .56 | .62 |
| tanks, same basis | gal. | .40 | .41 |
| Diacetone, acetone free, dms., c.l., dlvd | lb. | .13½ | .13 |
| l.c.l., dlvd | lb. | .14 | .14 |
| tanks, dlvd | lb. | .12 | — |
| tech., dms., c.l., dlvd | lb. | .13 | .13 |
| l.c.l., dlvd | lb. | .13½ | .14 |
| tanks, dlvd | lb. | .11½ | — |
| Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. | gal. | 17.61 | — |
| l.c.l., same basis | gal. | 17.65 | -17.70 |
| tanks, same basis | gal. | 17.49 | — |
| tax free, dms., c.l., dlvd. E. Miss. R. | gal. | .51 | — |
| l.c.l., same basis | gal. | .55 | .60 |
| tanks, same basis | gal. | .39 | — |
| absolute, 200 pf., tax paid, dms., c.l., same basis | gal. | 18.56 | — |
| l.c.l., same basis | gal. | 18.60 | -18.65 |
| tanks, same basis | gal. | 18.44 | — |
| Ethylhexyl, dms., c.l., dlvd | lb. | .29¼ | — |
| l.c.l., dlvd | lb. | .30¼ | — |
| tanks, dlvd | lb. | .27¾ | — |
| Furfuryl, tech., cns., works | lb. | .30 | — |
| dms., c.l., works | lb. | .21½ | — |
| l.c.l., works | lb. | .23 | — |
| tanks, works | lb. | .18 | — |
| Isoamyl (see Alcohol, amyl fermentation, refined). | | | |
| Isobutyl, dms., c.l., dlvd | lb. | .13½ | — |
| l.c.l., works | lb. | .14½ | — |
| tanks, dlvd | lb. | .12 | — |
| Iso-octyl, dms., c.l., works | lb. | .29¼ | — |
| l.c.l., works | lb. | .29¾ | — |
| tanks, works | lb. | .26¼ | — |
| Isopropyl, refd., 91%, dms. incl., c.l., dlvd | gal. | .42 | — |
| l.c.l., dlvd | gal. | .45 | — |
| tanks, dlvd | gal. | .32 | — |
| 95%, dms. incl., c.l., dlvd | gal. | .43½ | — |
| l.c.l., dlvd | gal. | .46½ | — |
| tanks, dlvd | gal. | .33½ | — |
| 99%, dms., incl., c.l., dlvd | gal. | .45 | — |
| l.c.l., dlvd | gal. | .48 | — |
| tanks, dlvd | gal. | .35 | — |
| Methyl (see Metnanol). | | | |
| Methylamyl (see Carbinol, methyl-isobutyl). | | | |
| Nonyl (see Trimethylhexonal). | | | |
| Octyl, perfumer's grade, bots | lb. | 1.70 | 3.25 |
| technical (see Octanol normal). | | | |
| Pantothenyl (see Panthenol). | | | |
| Phenylethyl, cns | lb. | 1.35 | 1.70 |

# Package your product in Alcoa Tubes

You'll find customers reach for products packaged in Alcoa Tubes. They're attractive. They're easy to use. Made of aluminum, the metal that offers the ideal surface for eye-catching colors—tube shoulders that stay bright. In the larger sizes, aluminum tubes are the most economical you can buy.

Want more information? Let us send you a copy of "Packaging in Alcoa Aluminum Tubes", our technical booklet covering packaging problems on a wide variety of products. Describes filling and closing operations—weights and capacities of tubes, etc. It's free.

*Write*

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**Here are some of the industrial products now packaged in Alcoa Aluminum Tubes:**

Automotive
Body Cleaner
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Caulking Compound
Cold Solder
Gasket Cement
Gear Lubricant
Glazing Putty
Hand Cleaner
Ink
Liquid Hide Glue
Marine Glue
Outboard Motor Lubricant
Paint Pigments
Polishing Compound
Rubber Cement
Silicone Compound
Spot Putty
Trim Cement
Weather Strip Cement

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .85 • .70
type B, fiber-pack, same basis lb. .80 • .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾- —
works .lb. .08¼- —
l.c.l., dlvd .lb. .10¾- —
works .lb. .09¼- —
tanks, dlvd. .lb. .08 • —
works .lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 • —
dms., c.l., Waverly, N. Y. ..lb. .40 • —
l.c.l., same basis .lb. .44 • —
tanks, Niagara Falls, N. Y. ..lb. .36 • —
Aldol, 95%, dms., works .lb. .15 • .16
denaturing grade, dms. .gal. 1.33 • 1.45
Aldrin, 60% solut., dms., c.l., works, frt. alld .lb. .97 • —
l.c.l., works, frt. alld .lb. 1.05 • —
Aletris root, bgs. .lb. 1.50 • 1.60
Algin, bbls., fib. dms. .lb. .76 • 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs. .lb. .35 • .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb.45.00 • —
, smaller lots, works .lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 • —
10%, dms., works .gal.37.75 • —
2%, dms., works .gal. 7.75 • —
Allspice, Jamaica (see Pimento).
Mexican, bgs., afloat .lb. .19½- .19¾
Allyl bromide, cnys., 5,000 lbs., works, lb. .99 • —
smaller lots, works .lb. 1.05 • 1.10
Chloride, dms., c.l., dlvd. .lb. .16½- —
l.c.l., dlvd. .lb. .17 • —
tanks, dlvd. .lb. .15 • —
Starch, solid, dms., works .lb. .58 • —
solution, 40%, dms., works .lb. .279 • .297
50%, dms., works .lb. .446 • —
Aloe, Cape, cs .lb. .22 • .23
Curacao, kgs. .lb. .35 • .36
Socotrine, kgs .lb. .35 • .36
Aloin, USP, bbls., dms., kgs .lb. 3.50 • —
Alphacellulose, bgs., c.l., works lb. .04 • .15
Alphanaphthol, bbls. .lb. .70 • —
Alphanaphthylamine, bbls. .lb. .41 • .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 • 2.40
Alphanitronaphthalene, bbls. .lb. .34 • —
Alphapicoline, ret. dms., c.l. works, frt. equald .lb. .29½- —
l.c.l., works, frt. equald .lb. .30 • —
Alphapinene, tanks, South, works... gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 • —
Alphatocopherol, bots. .kilo.350.00 • —
Acetate, bots. .kilo.350.00 • —
Althea root, NF, peeled, bls. .lb. .30 • .40
Alum, ammonium, gran., bbls., works .100 lbs. 3.30 • —
lump, bbls., works .100 lbs. 4.05 • —
powd., bbls., works .100 lbs. 4.20 • —
USP, burnt, bbls. .lb. .20 • .21
hydrous, bbls. .lb. .07¾- .08
Potassium, gran., bbls., works .100 lbs. 4.05 • —
lump, bbls., works .100 lbs. 4.30 • —
powd., bbls., works .100 lbs. 4.45 • —
USP, burnt, bbls. .lb. .20 • .21
hydrous, bbls .lb. .07¾- .08
Potash-chrome, dms. .lb. .17 • —
Soda, bbls., c.l., works .100 lbs. 3.25 • —
l.c.l., dlvd. .100 lbs. 4.25 • 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 • —
20%, bbls., l.c.l., works .lb. .10 • —
Chloride, anhyd., com'l, dms., c.l., works .lb. .11 • —
l.c.l., works .lb. .11½- —
cryst., com'l, dms., c.l., works lb. .0650- —
l.c.l., works .lb. .0690- —
NF, gran., dms., works .lb. .27 • .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works .lb. .04 • —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 • —
l.c.l., works .lb. .11 • .13
Formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works .lb. .10 • —
Hydrate, heavy, bgs., c.l., frt. equald. .ton.50.00 -54.00
l.c.l., works .ton.72.00 -86.00
light, bgs., dlvd. .lb. .17 • —
Hydroxide, gel, pharmaceutical, 14-15% $Al_2O_3$, fib. dms., works lb. .21¼- —
contract, works .lb. .20¼- —
9-9½% $Al_2O_3$, fib. dms., works lb. .18¼- —
contract, works .lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works .lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls .lb. .38½- —
Linoleate, solid, dms., frt. alld .lb. .39½
Metal, 98-99%, ingots, 10,000 lbs. lb. .17½- —
pigs, 10,000 lbs. .lb. .16½- —
Naphthenate, liquid, 1.7%, frt. alld. lb. .24½- .25
Oleate, dms., precip .lb. .35¼- —
Oxide, amorphous (see Alumina, calcined),
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 • .15
kgs., ton, frt. alld. .lb. .12½- —
smaller lots, frt. alld. lb. .13 • .15
280-400 mesh, dms., frt. alld. lb. .32 • .33
kgs., frt. alld. .lb. .31 • —
500 mesh, dms., frt. alld. lb. .35 • .37
kgs., frt. alld. .lb. .34 • —
600 mesh, dms., frt. alld, lb. .51 • .53
kgs. frt. alld. .lb. .50 • —
optical, floated, kgs., dlvd. .lb. .36 • .86
unclassified, dms., frt. alld, lb. .16 • .17
kgs., frt. alld. .lb. .15 • —
high-purity, alpha or gamma, ultrafine, dms., works .lb.13.50 • —
jars, works .lb.15.00 -17.00

Aluminum oxide flour prices W of Denver ½c. per lb. higher.

Paste, lining, extra fine, dms. lb. .53 • —
standard, dms. .lb. .39¼- —
Powder, lining, extra fine, dms. lb. .96 • —
standard, dms. .lb. .64½- —
rubber comp., dms. .lb. .43½- —
unpolished, standard, dms. .lb. .44½- —
varnish standard, dms. .lb. .49 • —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .24 • —

Aluminum stearate, dibasic, ctns., c.l. .lb. .30 • —
l.c.l. .lb. .31 • —
monobasic, ctns., c.l. .lb. .30 • —
l.c.l. .lb. .31 • —
tribasic, ctns., c.l. .lb. .30 • —
l.c.l. .lb. .31 • —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 • —
l.c.l., same basis 100 lbs. 1.90 • —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 • —
l.c.l., works .100 lbs. 3.15 • —
NF, gran., dms., works .lb. .27 • .28
powd., dms., works .lb. .32 • .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots. .oz. 8.00 -10.00
Aminoazotoluene bbls. .lb. 1.03 • —
Aminomethylpropanol, cns., dms., works lb. .65 • .69
Aminoethylethanolamine, dms., c.l., works lb. .42 • —
l.c.l., works .lb. .42½- —
tanks, works .lb. .40 • —
Aminophylline, USP, 100-lb. dms .lb. 5.35 • —
Aminopyrine, USP bots., dms. .lb. 6.00 • 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra, zone 1 .lb. .17 • .17½
2 .lb. .19 • .19½
3 .lb. .21 • .21½
4 .lb. .16 • .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% $NH_3$), dms., c.l., works 100 lbs. 3.10 • —
l.c.l., works 100 lbs. 3.50 • —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 • —
l.c.l., same basis 100 lbs. 6.95 • —
white, gran., ogs. c.l., works 100 lbs. 4.60 • —
l.c.l., works 100 lbs. 6.25 • —

## Alcohol, Polyvinyl—Ammonium Thiocyanate

Ammoniacal liquor, tankcars, works, anhyd basis ton.73.00 -80.00
Ammonium acetate, purified, dms lb. .39 • .40
reagent, jars .lb. .61 • .63
Benzoate, USP dms., kgs., 4,000 lbs., frt. alld lb. .80 • —
smaller lots, frt. alld .lb. .91 • 1.08
Biborate, bbls., c.l., works ton.302.00 • —
ton lots, works .ton.355.50 • —
less ton lots, works .ton.360.50 • —
Bicarbonate, dms., c.l., works .lb. .05½- —
l.c.l., works .lb. .06 • —
Bichromate, bbls., works .lb. .31 • .36
Bifluoride dms. dlvd .lb. .18 • .18½
Bromide, gran., NF, bbls .lb. .36 • .37
dms. .lb. .37 • .40
powdered ammonia bromide 10c. per lb higher.
Carbonate, USP, lump, powd., dms .lb. .20 • .21
Chloride, tech (see Ammoniac, salt).
USP, gran., bbls., dms .lb. .18 • .19
Citrate, dibasic, bbls .lb. .75 • —
dms. .lb. .80 • .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms .lb 2.40 • —
Iodide, NF, jars .lb. 3.81 • 3.91
Linoleate, plastic, 80% dms., works .lb. .40½- —
kgs., works .lb. .42½- —
25%, dms., frt. alld .lb. .21½- —
tech., bbls., works .lb. .37 • —
dms., works .lb. .39 • —
Molybdate, chemical grade, bbls., kgs .lb. .85 • —
metal grade, kgs .lb. .90 • —
tech. grade, bbls., kgs .lb. .80 • —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point .ton.57.50 • —
dom., ogs., western works ton.58.00 • —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 • —
Oleate, dms., precip .lb. .23½- —
Oxalate, fine gran., dms .lb. .25 • .31
Pentaborate, gran., bbls., c.l., works ton.212.00 • —
ton lots, works .ton.265.50 • —
less ton lots, works .ton.270.50 • —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works .lb .50 • .75
Persulphate kgs .lb. .25½- .25¾
Phosphate, com'l, bgs., c.l., works, lb. .08 • —
l.c.l., works .lb 08½- —
dibasic, NF V, bbls., dms. .lb. .40 • —
tech., bgs., c.l., works .lb. .06 • —
l.c.l., works .lb 08½- —
Salicylate, NF dms. kgs .lb 1.25 • 1.28
Silicofluoride, dms., works .lb. .12 • .13
Sulphamate, bbls. dms. works lb. .18 • .20
Sulphate, coke-oven, bulk, producing ovens .ton.32.00 -37.00
converters', bulk, works .ton.37.50 -38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l. works, lb. .10½- —
l.c.l., works .lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 • —
Sulphocyanide, (tech (see Ammonium thiocyanate)
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works .lb. .16 • .19


For use in making high quality DISINFECTANTS, PLASTICS, TEXTILE CHEMICALS, ETC.

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Make Concord your constant source of supply for highest grade Cresylic Acid — 99/100% Pale. Prices are lowest obtainable!

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CARNAUBA WAX REPLACEMENT • FATTY ACIDS-DISTILLED
CANDELILLA WAX • REFINED TALL OIL

## Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.95
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾ - —
l.c.l., dlvd lb. .20¾ - —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - 81
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - 70
imported, bls lb. 70 - 75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .17 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb .15½- .16½
Cyprus, ngs lb 20 20½
Czech, bgs lb. .14 - 14½
Mexican, bgs lb. .14½- .15
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .13¾- .14
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone 99.5% bbls lb .85 —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb. .29 .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb 2.35 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF bots. oz. 5.00 5.75
Arginine hydrochloride, laevo. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls lb 1.45 —
Arrowroot, powd., bgs lb. .12 - .15

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.09 -
fiber, 3K, c.l. (20 tons), mines ton.313.00 -
3R, c.l. (20 tons), mines ton.267.00 -
3T, c.l. (20 tons), mines ton.249.50 -
3Z, c.l. (20 tons), mines ton.231.00 -
4K, c.l. (20 tons), mines ton.124.00 -
4M, c.l. (20 tons), mines ton.124.00 -
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 -
5D, c.l. (20 tons), mines ton.88.00 -
5K, c.l. (20 tons), mines ton.88.00 -
5M, c.l. (20 tons), mines ton.84.00 -
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton 49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton.36.50 - —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. 05¾- .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

## B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.58 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .45 - .50
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 —
Sodium, USP, dms lb. 4.77 —
Barium carbonate, precip., bgs., 10 tons and up, works ton.72.50 -80.00
smaller lots, works ton.82.50 -90.00
Chlorate, kgs., works lb 25½ .31
Chloride, NF, cryst., dms lb 17 .18
tech., crystals, bgs., c.l., works. ton.90.00 - —
l.c.l., works ton.100.00 - —
Chromate, ogs., frt. equald lb. 31½ .32
Dioxide, dms., c.l., works lb .12 - —
l.c.l., works lb. .12 - —
Hydrate, crystals, bgs lb. .09 - .09¼
Hydroxide, anhyd., bbls., works. lb. .19 - —
Iodide, bots. lb 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½ —
Peroxide (see Dioxide).
Stearate, ctns., c.l lb. .34 - —
smaller lots lb. .35 .36
Sulphate, tech. (see Barytes and Blanc fixe) X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l. works lb. .21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.05 - —
l.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .45 - .50
Root, bls lb. .50 - .52
Bauxite bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
12% gamma, tech., bgs., dms., c.l., works lb. .18 - .21
l.c.l., works lb. .20¼- .23¼
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd lb. .13 - —
wet distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md. gal. .27 - —
Bethlehem, Pa. gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, t.t.c., dms lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.70 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, nots. lb. 1.55 - 2.25
Benzylidinacetone, bots lb. 1.70 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21½
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works lb. .28½- —
l.c.l., works lb. .30½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb 45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —

# CALCIUM PANTOTHENATE DEXTROROTATORY

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The role of pantothenic acid in human nutrition has long been the subject of intense study. The results of recent animal experiments suggest a possible link between pantothenic acid and adrenal cortex function. Other tests indicate that the requirement for pantothenic acid may be higher than has been believed.

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**Nicotinamide U.S.P.**
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Bismuth-ammonium citrate, USP, powd., dms. lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 .19
Bone, bgs., bbls., l.c.l., dlvd. lb. .14½- .22½

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb higher

Carbon, channel, beads, bulk, c.l., works lb. .0650 —
bgs., c.l., works lb. .0690 —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832 —
ngs. ctns. l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns. l.c.l. wlse lb 09½- —
high modulus, bgs. c.l., works. lb. .05 - —
ctns. l.c.l. whse lb. .09 —
semi-reinforcing bgs., c.l., works lb. 03½- —
ctns. l.c.l. whse lb. .07½- —
very fine, bgs. c.l., works lb. 0740- —
l.c.l., dlvd., or whse lb. .12 - —
Charcoal (see C).
Graphite (see G).
Iron oxide synthetic, bgs., c.l., works lb. .10¾- —
t.c.l., works lb. .11 —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. 0160- 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls. lb. .30 - .32
root, bls. lb. .10 - .12
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .65 - .75
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls. lb 45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.80.00 - —
t.c.l., works ton.90 00 - —
direct process, bgs., c.l., works ton.85.00 - —
t.c.l., works ton.90.00 - —
N. Y. whse. ton.113.00 - —
bbls., c.l., works ton.90.00 - —
t.c.l., works ton.95.00 - —
N. Y. whse. ton. 118.00 - —
pulp, 66⅔% bbls. c.l., works, ton.67.00 - —
t.c.l., same basis ton.73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
t.c.l., works 100 lbs 5 00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 6.25 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 6.00 - —
soluble, bgs., cs. lb. .16 - .17½
l.c.l. lb. .17½- .22
Bloodroot, bls. lb. .40 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .37 - .42
Cobalt, genuine, bbls same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda)
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash C.P. bbls., same basis lb. .31 - —
Prussian, bbls., same basis lb. .37 - .42
soluble, bbls., same basis lb. .37 - .42
Soda, C.P. bronze, bbls., same basis lb .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb 2.60 - 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .09 - .12
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.58.00 - —
Chicago, works ton.58.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 - —
Chicago, works ton.62.50 - —
Phosphate, defluorinated (see D) precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 - .16
Borage flowers, bls. lb. .40 - 45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton tots, ex whse N. Y. or Chi ton.115.25 - —
less ton tots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton tots, ex whse, N. Y. or Chi ton.135.25 - —
less ton tots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton tots, ex whse, N. Y. or Chi ton.106.50 - —
less ton tots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton tots, ex whse, N. Y. or Chi ton.126.00 - —
less ton tots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton tots, ex whse, N. Y. or Chi ton.80.00 - —
less ton tots, same basis, ton.85.00 - —

Borax, tech., gran., 99½%, bbls., c.l., works ton.55.25 - —
ton tots, ex whse N. Y. or Chi ton.100.00 - —
less ton tots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
powder, bgs., c.l., works ton.40.25 - —
ton tots, ex whse N. Y. or Chi ton.85 00 - —
less ton tots, same basis, ton.90 00 - —
bbls., c.l., works ton.60.25 - —
ton tots, ex whse N. Y. or Chi ton.105.00 - —
less ton tots, same basis, ton.110.00 - —
bulk, c.l., works ton.36 25 - —

Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech

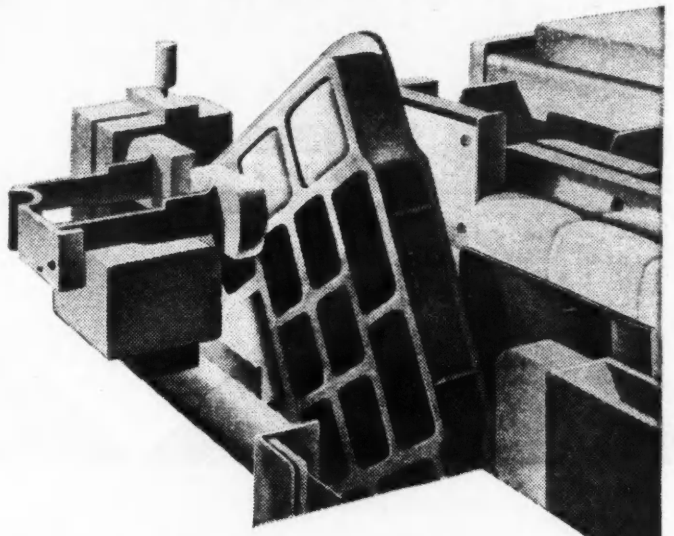
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Borneol, ens. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine purified cs. c.l. frt. alld. E of Rockies lb. 21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs. same basis lb. 28 - —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, pharmaceutical grade, bots lb. 1.52 - 2.50
chys lb 1 42 —
Bromstyrol, bots. lb. 5.33 - 5.75

Bronze powder aluminum (see A).
Gold, litho., ens., dms., works. lb. .30 - .60
moulding, ens., dms., works. lb. .80 - 1.00
printing ink, ens., dms., works lb. .95 1.10
radiator, cans, dms. works. lb. .60 - .65
Broomtop, bls. lb. .25 .26
Brown iron synth, bgs. l.c.l., works lb. .12½- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .13¼
t.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works lb. .06½- .08½
raw, American, bgs., same basis, lb. .04¼- .06½
Turkey type, bgs., same basis, lb. .06½- .06¾
Vandyke, bbls., works lb. .11 —
Brucine, ens., 100 ozs oz. .35 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Bryonia root, bls lb. .29 - .35
Buchu leaves, bls lb. .50 - .55
Buckthorn bark, bls lb. .12 - .14
cut and sifted, bls lb. .18 - .20
Berries, bgs lb. .80 .90
Burdock root, bls lb .20 .26
Butadiene, cyls, refinery lb. .19 - —
tanks, same basis lb. .09½- —

Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls lb. .22 - .25
Butyl acetate, fermentation, normal, ill., ind., prod., dms. c.l., works, frt. alld. lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 - —
tankwagons, same basis lb. 12½- —
other production, dms., c.l., same basis lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. 12 - —
synthetic, normal, dms., c.l., same basis lb. .13½- —
t.c.l., same basis lb. .14½- —
tanks, same basis lb. .12 - —
secondary, dms., c.l., same basis lb. .11 - —
t.c.l., same basis lb. .11½- —
tanks, same basis lb. 09½- —
Alcohol (see Alcohol butyl)
Aldehyde dms., c.l., works lb 17½- —
t.c.l., works lb. .18 - —
tanks, works lb 16 - —
Ether (see Ether, butyl).
Lactate, dms. c.l. frt. alld. E of Rockies lb. 42½- —
t.c.l., same basis lb. 43½- —
tanks, same basis lb. 41 - —
Laurate, dms. works lb. 42 - —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd., dms. l.c.l. works lb. 82 - —
Phenylacetate, dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms. c.l. frt. alld. E of Rockies lb. .27 - —
t.c.l., same basis lb. .28½- —
Butyric ether (see Ethyl butyrate)

*as you were in 1900*

Many soap-making operations were done by hand; so were some of the processes involved in paper, textile and glass manufacturing as well as water purification and sewage treatment.



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Sanitary, efficient machine operations replace the old hand processes in soap manufacture.

**...with 50 years of research by Niagara Alkali**

Gigantic kettles four stories deep... capacities as high as 175 tons... these are the superlatives in which soap-makers are planning—and working—today. Every step in soap manufacture is absolutely controlled to assure a uniform and superior product.

Niagara Alkali, now observing its 50th anniversary, is likewise able to assure the uniformity and superiority of its products—the result of continuous research to achieve product control and efficiency. The success of this research is reflected in Niagara's ability to serve many fields well: paper, soap, glass, textiles, sewage treatment, water purification and others.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda
Niagathal (Tetrachloro Phthalic Anhydride) • NIALK TRICHLOREthylene

## Cacao Butter—Cellulose Acetate

### C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Sulphide (see Yellow).
Caffeine natural, USP cryst. dms., 100 lbs or more lb. 4.75 - —
anhydrous, dms. 100 lbs or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs or more lb 3.80 - —
anhydrous, dms. 100 lbs or more lb 4.00 - —
Citrated USP dms. 100 lbs or more lb 2.60 - —
Hydrobromide bots ..... lb 6.70 Nom.
Calabar beans, ngs. futures ..lb 65 66
Calamine, USP dms ..... lb .27 .29
Calamus root, dom., bgs ..... lb .27 .30
imported, bleached, bls ..... lb .70 Nom.
peeled, bls ..... lb .30 .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 s.u. units, works unit. .05¼- —
less than 1,000 s.u. units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .09½- —
l.c.l., same basis ..... lb. .10½- .11½
Bromide, NF, jars ..... lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tankcars ton 9.00 - —
pellets, bgs., c.l. works ... ton29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald ...lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies, lb. .30 - .50
Gluconate, AA, bbls., dms .... lb. .65 - .72
USP, bbls., dms ..... lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works ..... lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis, cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars ..... lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works...lb. 2.10 - 2.25
Calcium naphthenate, liq., 4% Ca, dms., frt. equald ..lb. .23¾- —
Nitrate, tech., works ..... lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted ..gram. .07½- —
Phenolsulphonate, dms. ..... lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. ..... 100 lbs. 7.10 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works ..... 100 lbs. 6.95 - 7.30
Phytate, bgs., works ..... lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works ..... lb. .06 - —
Stearate, precip., ctns., c.l., works, lb. .32 - —
l.c.l., works ..... lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton.45.00 - —
70%, bgs., c.l., works ....ton.50.00 - —
luminous, tins, works ..... lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms. works lb. 1.50 - 1.75
Calendula flowers, bls ..... lb. .45 - .60
Calomel, USP, fine powd., dms. lb 1.97 - 1.98
reg. powd., dms ..... lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs. lb. 2.75 - 2.85
natural, powd., 100-lb. lots ..... lb. .45 - .55
tablets, 1-oz., ½-oz., cs ..... lb. .85 - .93
synthetic, tech., bbls., 2,000 lbs. or more, whse. lb. .42 - —
10 bbls. (1,500 lbs.) ..... lb. .44½- —
smaller lots ..... lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots. lb. .45 - —
1,000-lb. lots ..... lb. .46 - —
smaller lots ..... lb. .47 - —
USP, tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb. lots ..... lb. .74 - —
smaller lots ..... lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 - .30
Cantharides, Chinese, cs ..... lb. .90 - 1.00
powd., bxs. ..... lb. 1.25 - 1.35
Russian, bgs. ..... lb. 3.85 - 3.90
powd., bxs. ..... lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper ..lb. 4.00 - 6.00
from African pepper ..... lb. 5.75 - 6.50
Caramel coloring, NF, bbls ..... gal. 1.05 - 1.20
Caraway seed, Dutch, bgs ..... lb. .13¾- .14
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis ..... lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld, E lb. .13 - —
l.c.l., same basis ..... lb. .13½- —
tanks, same basis ..... lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis ..... lb. .07¼- —
5-gal. dms., c.l., same basis lb. .09½- —
l.c.l., same basis ..... lb. .08¾- —
tankcars, same basis ..... lb. .0440- —
Dioxide, cyls. ..... lb. .06 .08
Tetrachloride, c.p., dms., works. lb. .10¾- —
NF, cbys ..... lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .08¾- —
l.c.l., E. of Rockies, frt. alld. lb. .08¾- —
W. of Rockies, frt. alld. lb. .09¼- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08 - —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ..... lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.30 - 3.45
medium, cs. ..... lb. 2.95 - 3.40
Coorges, cs. ..... lb. 2.20 - 2.25
decorticated, Alleppey, cs ....lb. 3.45 Nom.
Ceylon, cs ..... lb. 3.40 Nom.
Guatemala, cs ..... lb. 3.40 3.45
green, Alleppey, bgs., afloat ..lb. 2.12 - 2.15
Ceylon, bgs. ..... lb. 2.12 - 2.15
seed (See Cardamom fruit, decorticated)
Carmine No. 40, NF quik, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd ..... lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities ..... gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works ..... gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn. cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram ..lb 25.24 - —
50,000 A units per gram ..lb. 7.86 - —
8,800 A units, per gram, tins, works ..milli. units. .18 - —
dms., works ..milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works ..milli. units. .24 - —
Carvol, bots. ..... lb. 8.75 - 9.00
Cascara sagrada bark, bulk ..... lb. .30 - .32
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point ..lb. .22 - .23
premium, bgs., 10,000 lbs. or more, ship't point ..lb. .24 - .25½
imp. acid-precip., ground, 100 bgs. or more, ex dock ..lb. .19¾- .20
rennet-precip., bgs., 10,000 lbs. or more, ex dock ..lb. .23 - .26
Cashew nut liq., treated, dms., c.l., f.o.b Newark, N. J. lb. .21 - —
ton lots, same basis ....lb. .22¼- —
dm. lo's, same basis ...lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .23 - .25
broken, bls ..... lb. .15 - .16
short stick, bls ..... lb. .23 - .24
China, Canton, Kwangsi, rolls, select, cs ..lb. .11 - .11½
broken, bls ..... lb. .09¼- .09½
Honan, rolls, scraped, bls ..lb. .13¾- .14
broken, bls. ..... lb. .13¼- .13¾
unscraped, bls ..... lb. .13½- .14
broken, bls ..... lb. .13 - .13½
Yunnan, rolls, scraped, bls lb. .13¾- .14
broken, bls. ..... lb. .13¼- .13¾
unscraped, bls ..... lb. .13½- .14
broken, bls ..... lb. .13 - .13½
Saigon, broken, bls ..... lb. .24 - .25
medium, bls ..... lb. .34 - .35
thin, bls ..... lb. .39½- .40
Buds, China, bgs ..... lb. .40 - .41
Cassia fistula, bskts ..... lb. .30 - .35
Castor beans, bgs. Brazilian ports long ton.115.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ....ton.30.50 - —
Castoreum, natural, cns ..... lb. 7.00 -30.00
artificial, cns. ..... lb. 9.00 - 9.25
Catechol, CP, cryst, fib, dms., works ..lb. 2.00 - —
resublimed, dms., works ..... lb. 4.00 - —
Catnip, bls. ..... lb. .60 - .65
Celery seed, French, bgs ..... lb. .34 - .35
Indian, bgs ..... lb. .24 - .24½
afloat, bgs ..... lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld on 100 lbs. or more lb. .33 - .36
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld ..lb. .40 - —
l.c.l., same basis ..... lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis ..... lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis ..... lb. .44 - .49


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Reg. U.S. Pat. Off.

producers of basic chemicals for manufacturers and processors

*A major source of supply for—*

DETERGENT D-40
DETERGENT SLURRY
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POLYBUTENES
CRESYLIC ACIDS

NAPHTHENIC ACIDS
SODIUM SULFONATES
PURIFIED SULFONATE
PHTHALIC ANHYDRIDE
HYDROFORMER CATALYST
GAS ODORANTS

WETTING AGENTS
ORTHO, PARA XYLENE
XYLOL
LUBE OIL ADDITIVES
ALIPHATIC ACID

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STANDARD OIL BLDG., LOS ANGELES 15, CALIF. ▪ 600 S. MICHIGAN AVENUE, CHICAGO 5, ILL.
824 WHITNEY BUILDING, NEW ORLEANS 12, LA.

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .49 - —
less than 500 lbs., works, lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld, lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide optical grade, bgs. under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb .02½- .05½
l.c.l., ex whse .04 - —
paint, bgs. c.l. works ton.40.00 - —
papermakers, ngs. c.l., works, ton.32.50 -40.00
rubber makers, bgs. c.l., works ton.30.00 —
Chamomile flowers, Hungarian, cs lb. .45 - .55
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs. incl., c.l., works ton.46.80 -50.80
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran. powd., ogs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., ogs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. 75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., works lb. .08 - .12
l.c.l., stock points lb. .09 - .16
tanks, single units, works, frt. equald 100 lbs. 2.40 - 2.55
multiple units, 3 cars, works, frt. equald 100 lbs. 2.90 - 3.05
2 cars, same basis 100 lbs. 3.50 - 3.65
1 car, same basis 100 lbs. 4.10 - 4.25
Chloroform, tech. dms., c.l., divd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Chromium fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.29
Cinchona bark NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls lb. .18 - .18½
Citral, bots., cns lb. 5.45 - 5.75
Citronellal, bots., dms lb 2.50 - 7.75
Citronellol, bots., dms lb. 2.85 - 3.15
Civet, bots oz. 4.90 - 5.00
artificial, bots lb.13.75 -15.00
Clove, Madagascar, bls lb. .23½- .24
futures, bls lb. No offers
Zanzibar, bls lb. .24 - .25
afloat lb. .23 - .23½
Clover tops, red, dom., bgs lb. .65 - .70
imported, bgs lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - .69
CMC, purified, low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-wnse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls. c.l. ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs, works lb. 91¼- —
feed grade, 24.5% Co kgs lb 91¼- —
Hydrate, bbls. lb. 2.13 - —
feed grade 62% Co, kgs lb 2.13 - —
Linoleate paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whse. lb. 1.80 - —
under 100 lbs., ex whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. 78¾- —
Oxide, black, kgs lb. 1.38 - —

## Cellulose Acetate-Butyrate—Coriander Seed

Cobalt phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused, 3% Co dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt-ammonium sulphate 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb 16 - .17
Cocoa butter, bgs lb. .56 - .60
Codeine, NF, cns. 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs oz.10.25 - —
Sulphate, USP, cns. 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb 60 - .70
Seed, bgs lb. 1.30 - 1.40
Collodion, USP, dms lb. .21 - —
Flexible, USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls lb. .13 - .15
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .64 - .82
Copper acetate, cupric, bbls., works, lb. .28 - —
smaller containers, works lb 29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .48½- —
Gluconate, dms., cns lb. 3.00 - 3.24
Copper hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- .22¾
Nitrate, tech., cryst., bbls., works, lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works, lb. .1385- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.165.00 -180.00
Pacific ports ton.175.00 - —
Coriander seed, Argentine, bgs. lb. .07 - .07½
Italian, bgs lb. .07 Nom
Moroccan, bgs lb. .10¼- .10¾


# STOP MOLD

## on soap wrappers with SANTOBRITE

Why let moldy soap wrappers spoil the sales appeal of your product when it is so easy to control organisms that cause this mold? Monsanto Santobrite (sodium pentachlorophenate, technical), in small concentrations, prevents mold damage on casein-coated paper.

As little as 2.0% of Santobrite, based on the dry weight of casein in the size, gives complete protection against surface microbiological growth. Since these organisms also flourish on the adhesives used on soap wrappers, Santobrite should be incorporated in them. The addition of Santobrite during paper manufacturing is recommended.

If molds on your soap wrappers are slowing down sales, it will pay you to get full details on how to stop these organisms with Santobrite. Mail the coupon or contact the nearest Monsanto Sales Office for complete information. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1770-E South Second Street, St. Louis 4, Missouri.

*Santobrite: Reg. U. S. Pat. Off.*

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

MONSANTO CHEMICALS — PLASTICS

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1770-E South Second Street, St. Louis 4, Missouri

Please send further information on the use of Santobrite to stop mold in soap wrappers.

*Name*.....*Title*.....

*Company*.....

*Street*.....

*City*.....*Zone*.....*State*.....

SERVING INDUSTRY...WHICH SERVES MANKIND

## Corn Sugar—Ether, Nitrous

Corn sugar, tanners, crimped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.99
bbls., c.l., same basis 100 lbs. 6.05
Syrup, 42°, bbls., c.l. 100 lbs. 6.27
l.c.l. 100 lbs. 6.42
Cornsilk, bls. lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68
gran., powd., dms., 50 lbs. or more lb. 1.53
Cottonroot bark, bls. lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton.
Meal, 41% protein, bulk, Memphis ton 63.00
Coumarin, NF, cns., 25-lb. lots lb. 2.75
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.60 - 3.05
Cramp bark, NF, bls lb. .50 Nom.
Cranesbill root, bls. lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼ -
smaller lots, bbls., kgs lb. .26¾ - .27¾
imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 - 18
refined, dms., c.l., works gal. .36½ - .40
l.c.l., same basis gal. .37½ - .47
tanks, same basis gal. .23½ -
solution, 50%, tanks, works gal. .168 -
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 -
Guaiacol, dms gal. .31 - .32
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .128 -
l.c.l., same basis lb. .131 -
ret. dms., c.l., same basis. lb. .125 -
l.c.l., same basis lb. .128 -
tanks, same basis lb. .115 -
USP, non-ret., dams., c.l., same basis lb. .133 -
l.c.l., same basis lb. .136 -
ret. dms., c.l., same basis lb. .13 -
l.c.l., same basis lb. .133 -
tanks, same basis lb. .12 -
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ -
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75
bbls., l.c.l., works 100 lbs. 14.00
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs. lb. .35 - .45
powd., cs. lb. .44 - .54
Culvers root, bbls. lb. .50 - .60
Cumene, dms., c.l. lb. .08 -
l.c.l. lb. .09 -
tanks gal. .53 - .56
Cumin seed, Iranian, bgs lb. .15¾ - .16
Morocco, bgs. lb. .16½ - .17
Syrian, bgs. lb. .15¾ - .16
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾ -
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton 46.50
pulv., 21% N., bgs., same basis unit-ton. 2.55
Cyclohexane, tech., dms., c.l., works, lb. .10½ - .11¼
l.c.l., works lb. .11 - .12
tanks, works lb. .09¼ - .10
Cyclohexanol, tech., dms., c.l., works, lb. .21½ - .25
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .36½ -
l.c.l., works lb. .37½ -
tanks, works lb. .35½ -
Cyclopropane, USP, 1 lb. cyls, works, cyl. 40.00
5 oz. cyls., works cyl. 10.50
Hospitals, cyls., 40 gal. lots gal. .32
100-gal. lots gal. .31
200-gal. lots gal. .30

## D

2, 4-D, bbls., c.l., works, frt. equald. lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works, lb. .54 -
l.c.l., works lb. .59 - .66
Damiana leaves, bls. lb. .40 - .45
Dandelion root, bls. lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 -
l.c.l., works lb. .51½ -
lump, fib dms., c.l., works lb. .49 -
l.c.l., works lb. .49½ -
DDT, fiber dms., c.l., works, frt. equald lb. .32 - .36
smaller lots, same basis lb. .33 - .37
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ -
l.c.l., dlvd. lb. .36½ -
tanks, dlvd. lb. .32 -
Deertongue leaves, bls. lb. .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 - 65.75
Rock, 14½%P, paper bgs., works ton 45.00 -
Degras, common, bbls. lb. .11 - .12
Neutral, less 2% ffa, bbls. lb. .21 - .22
over 2% ffa., bbls. lb. .20 - .21
Derris root, 5% rotenone, powd. lb. .42 -
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00
dextro-laevo, dms lb. 7.50
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.50
Chicago 100 lbs. 6.85
l.c.l. 100 lbs. 7.65
Dextrin, corn, canary, paper bgs., c.l. 100 lbs. 7.24
Chicago 100 lbs. 6.59
l.c.l. 100 lbs. 7.39
dark, paper bgs., c.l. 100 lbs. 7.34
Chicago 100 lbs. 6.69
l.c.l. 100 lbs. 7.49
white, paper bgs., c.l. 100 lbs. 7.09
Chicago 100 lbs. 6.44
l.c.l. 100 lbs. 7.24
Corn dextrin in cottons bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½ - .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP dms lb. .17¾ -
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.00 - 5.55
laboratory grade, bots. 100 grams 4.50
tech., bots., works lb 3.00
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. .34
l.c.l., dlvd. E lb. .35
tanks, dlvd. E lb. .32½ -
Dianisidin, dms. lb. 1.75
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 62.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00
purified, bgs., c.l., Atl. coast ton. 62.00
California ton. 50.00
l.c.l., ex whse ton. 90.00
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices,
Mexican, white, bgs., c.l., Atlantic coast lb. .03
l.c.l., Atlantic coast lb. .06
Dibenzyl sebacate, dms., c.l., works, lb. .66½ -
l.c.l., works lb. .67 -
tanks, works lb. 65 -
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ -
l.c.l. works lb. .56 -
tanks, works lb. .54 -
Dibutyl phthalate, dms., c.l., dlvd lb. .29 - .29¼
l.c.l., dlvd lb. .30 - .30¼
tanks, dlvd. lb. .27½ -
Sebacate, dms., c.l., works lb. .51 -
l.c.l., works lb. .51½ -
tanks, works lb. .49½ -
Tartrate, dms., works, frt. alld lb. .62 -
Dibutylamine, dms., c.l., frt. alld lb. .51½ -
l.c.l., frt. alld lb. .52½ -
tanks, frt. alld lb. .49 -
Dicapryl pnthalate, dms., c.l., dlvd. lb. .36½ -
l.c.l., dlvd lb. .37½ -
tanks, dlvd lb. .35 -
Sebacate, dms., c.l., works lb. .54½ -
l.c.l., works lb. .55 -
tanks, works lb. .53 -
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works, lb. .047 -
l.c.l., works lb. .055 -
tanks, works lb. .04 -
Dichlorophenol, dms., c.l., frt. equald lb. .27 -
l.c.l., frt. equald lb. .28 -
Dicyclohexylamine, dms., c.l., works lb. .40¼ -
l.c.l., works lb. .41 -
tanks, works lb. .39 -
Dicyclohexylphthalate, fib. dms., c.l., works lb. .40½ -
l.c.l., same basis lb. .41½ -
Diethanolamine, dms., c.l., b lb. .26½ -
l.c.l., same basis lb. .27½ -
tanks, same basis lb. .25 -
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾ -
l.c.l., same basis lb. .37¾ -
tanks, same basis lb. .35 -
Maleate, dms., c.l., dlvd lb. .45 -
l.c.l., dlvd lb. .49 - .52½
tanks, dlvd lb. .43½ -
Oxalate, dms., c.l., frt. alld lb. .34¾ -
l.c.l., same basis lb. .35¾ -
tanks, same basis lb. .33 -
Phthalate, dms., c.l., dlvd lb. .23½ -
l.c.l., dlvd. lb. .24½ -
tanks, dlvd. lb. .22 -
Sulphate, dms., c.l., works lb. .16 -
l.c.l., works lb. .16½ -
tanks, works lb. .14½ -
Diethylamine, dms., c.l., frt. alld lb. .37 -
l.c.l., works lb. .37½ -
tanks, works, basis 100% lb. .35½ -
Diethylaniiin, dms. lb. .43 -
Diethyleneglycol, dms., c.l., frt. alld, E lb. .17½ -
l.c.l., same basis lb. .18½ -
tanks, same basis lb. .16 -
Boriborate, dms., l.c.l. lb. .28 -
Diethylether, dms., l.c.l., works lb. .44 -
Monobutylether, dms., c.l., works, lb. .24½ -
l.c.l., works lb. .25 -
tanks, works lb. .23 -
Monobutylether acetate, dms., c.l., works lb. .26 -
l.c.l., works lb. .26½ -
Monoethylether, dms., c.l., works, lb. .18 -
l.c.l., works lb. .18½ -
tanks, works lb. .16½ -
Monoethylether, acetate, dms., c.l., works lb. .24 -
l.c.l., works lb. .24½ -
Monomethylether, dms., c.l., works lb. .22 -
l.c.l., works lb. .22½ -
tanks, works lb. .20½ -
Diethylenetriamine, dms., c.l., works, lb. .42 -
l.c.l., works lb. .42½ -
tanks, works lb. .40 -
Diethylethanolamine, dms., c.l., works lb. .61½ -
l.c.l., same basis lb. .62½ -
tanks, same basis lb. .60 -
Dieasistilbestrol, USP, bots kilo 240.00 - 320.00
Digitalin, cryst., bots gram 12.50 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 8.00 - 8.75
Digicyol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½ -
l.c.l., works lb. .43 -
tanks, works lb. .41 -
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials, gram .60
wholesalers, vials gram. .48
Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l. dlvd lb. .14 -
l.c.l., dlvd lb. .14½ -
tanks, dlvd lb. .12½ -
Di-isobutylene, dms., c.l., works lb. .07 -
l.c.l., works lb. .07½ -
tanks, works lb. .05½ - .06½
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½ -
l.c.l., same basis lb. .38½ -
tanks, same basis lb. .36 -
Dillseed, natural, bgs lb. .10¼ - .11
dewhiskered, bgs. lb. .12 - .12¼
Dimethyl chloroacetal, dms., c.l., works lb. .53 -
l.c.l., works lb. .55 -
tanks, works lb. .51 -
Phthalate, dms., c.l., dlvd lb. .23½ -
l.c.l., dlvd. lb. .24½ -
tanks, dlvd. lb. .22 -
Sebacate, dms., c.l., works lb. 69½ -
l.c.l., works lb. 70 -
tanks, works lb. .68 -
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 -
l.c.l., works lb. .16 -
10-gal. ret. dms., works lb. .16½ -
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½ - .38¼
tanks, works, basis 100% lb. .34 -
Dimethylaniiin, dms., c.l. lb. .23 -
l.c.l. lb. .25 -
tanks lb. .21 -
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 -
l.c.l., dlvd. lb. 1.45 -
tanks, dlvd. lb. 1.40 -
Dinitroaniiin, dms., frt. equald lb. .52 - .55
Dinitrobenzene, crude, dms lb. .17 -
purified, dms lb. .18½ -
Dinitrochlorobenzene, 48° C m.p., dms., c.l lb. .13½ - .14½
l.c.l. lb. .14 - .15
tanks lb. .13¼ - .14¼
Dinitrophenol, bbls lb. .31 -
Dinitrotoluene, oily, dms lb. .09½ -
refd., dms. lb. .19 -
Dinonylnapntnalene, c.l., dms., work lb. .13 -
l.c.l., dms., works lb. .14 -
tanks, works lb. .12 -
Dioctyl adipate, dms., c.l., works, frt. alld lb. .435 -
l.c.l., same basis lb. .445 -
tanks, same basis lb. .53 -
Phthalate, dms., c.l., frt. alld lb. .37½ -
l.c.l., frt. alld lb. .38½ -
tanks, frt. alld lb. .36 -
Diorthotolyiguanidin, dms., ton lots, dlvd lb. .48 -
smaller lots, dlvd lb. .50 -
Dioxan, dms., c.l., frt. alld lb. .25 -
l.c.l., same basis lb. .25½ -
tanks, same basis lb. .23½ -
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 -
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse. gal. .46 -
tanks, works, South gal. .20 -
steam-dist., dms., c.l., works, South gal. .36 -
l.c.l., works, South gal. .46 -
dlvd. N. Y. gal. .52 -
Diphenyl, bbls., c.l., works lb. .15 -
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .52
Diphenylamine, bbls lb. .27 -
Diphenyiguanidin, dms., ton lots lb. .39 -
smaller lots lb. .40 -
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½ -
l.c.l., same basis lb. .15½ -
tanks, same basis lb. .13 -
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 -
l.c.l., same basis lb. .18½ -
tanks, same basis lb. .16½ -
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 -
l.c.l., works lb. .33 -
tanks, works lb. .31 -
Ditertiarybutylparacresol, dms., c.l., works lb. .91 -
l.c.l., works lb. .95 -
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 68.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 -
l.c.l., works lb. .26 -
tanks, works lb. .24 -
40%, dms., c.l., works lb. .55 -
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 -
l.c.l., works lb. .15 -
tanks, works lb. .13 -
Doggrass root, dom., cut, bls lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. .90 - 1.00
reeds, cs lb. 1.75 - 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns. lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb 7.20 - 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 16.10 -
Yellow, FD&C, No. 1, cns. lb. 10.50 - 11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95
Blue, D&C, No. 4, cns. lb. 13.55
Brown, D&C, No. 1, cns. lb. 16.10
Green, D&C, No. 5, cns. lb. 16.10
No. 6, cns. lb. 16.10
No. 7, cns. lb. 14.80
Orange, D&C, No. 3, cns. lb. 10.95
No. 4, cns. lb. 20.05
No. 5, cns. lb. 5.70
No. 10, cns. lb. 20.70
Red, D&C, No. 8, cns. lb. 3.75
No. 9, cns. lb. 3.75
No. 10, cns. lb. 3.00
No. 11, cns. lb. 2.25
No. 12, cns. lb. 3.00
No. 17, cns. lb. 10.95
No. 18, cns. lb. 24.00
No. 19, cns. lb. 20.05
No. 21, cns. lb. 4.70
No. 22, cns. lb. 10.95
No. 28, cns. lb. 24.65
No. 33, cns lb. 17.45
Violet, D&C, No. 2, cns lb. 16.10
Yellow, D&C, No. 7, cns. lb. 10.95
No. 8, cns. lb. 10.95
No. 10, cns. lb. 13.50
No. 11, cns. lb. 13.50
No. 22, cns. lb. 9.15
No. 33, cns. lb. 14.65
No. 37, cns. lb. 12.55
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns. lb. 16.10
Green, Ext. D&C, No. 1, cns. lb. 16.10
Red, Ext. D&C, No. 1, cns. lb. 13.50
Yellow, Ext. D&C, No. 1, cns. lb. 10.95
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 -
27 Orange G. lb. .71 -
31 Amido naphthol red G. lb. .59 -
36 Alizarine yellow 2G lb. .76 -
40 Alizarine yellow R lb. .97 -
57 Amido naphthol red 6B lb. .90 -
79 Ponceau R. lb. .68 -
151 Orange II lb. .44 -
165 Red lake C. lb. 1.05 -
179 Azo rubine lb. .95 -
176 Red lake A lb. .80 -
180 Diamond blue 3B lb. .84 -
185 Cochineal red A lb. .85 -
202 Chrome blue black R lb. .62 -
203 Chrome black T lb. .72 -
208 Sulphon acid blue R lb. .83 -
216 Acid alizarin red B lb. .77 -
234 Resorcin brown lb. .82 -
246 Naphthol blue black lb. 78 -
278 Benzo fast red SBL lb 2.74 -
289 Sulphon cyanine 5R extra lb. 1.00 -
299 Diamond black F lb. 1.78 -
304 Nerol 2B lb. 1.84 -
326 Benzo fast orange S lb. 1.45 -
332 Bismarck brown R lb. 78 -
365 Chrysophenine lb. 2.14 -
382 Diamine black BH lb. 1.51 -
401 Diamine black BH lb. .58 -
406 Benzo blue 2B cone. lb. 98 -
419 Diamine fast red F lb. 1.05 -
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
420 Diamine brown M lb. .82 -
448 Benzo purpurine 4B lb. 1.68 -
518 Diamine sky blue FF lb. 1.48 -
561 Trisulphon brown B lb. 1.78 -
581 Direct deep black EW extra, lb. .81 -
593 Diamine green B lb. .60 -
598 Congo brown G lb. 1.20 -
620 Sun yellow lb. .84 -
639 Xylene light yellow lb. 1.77 -
640 Tartrazine lb. 1.34 -
655 Auramine lb. 1.69 -
657 Malachite green lb 1.93 -
662 Brilliant green lb. 2.55 -
667 Brilliant milling green B lb. 3.27 -
671 Glaucine lb. 1.54 -
680 Methyl violet B lb. .95 -
681 Crystal violet lb. 1.91 -
698 Formyl violet S4B lb. 1.51 -
720 Chrome azurol B lb. 3.60 -
729 Victoria blue B lb. 2.48 - 2.68
737 Wool green S lb 2.14 -
749 Rhodamine B lb. 3.55 -
814 Chloramine yellow lb. 2.76 -
841 Safranine lb. 2.58 -
865 Nigrosine WSJ 78 lb. .60 -
922 Methylene blue GXX lb. 1.28 -
969 Hydron blue R gal. .72 -
978 Sulphur black T extra lb. .28½ -
1027 Alizarin VI gal. .64 -
1034 Alizarin red S lb 2.30 -
1054 Alizarin saphiro B lb. 2.59 -
1078 Alizarin cyanine green lb. 2.61 -
1085 Alizarin blue black B lb 2.13 -
1096 Indanthrene golden orange G, single paste lb 1.96
double paste lb. 3.92 -
1099 Indanthrene dark blue BO, single paste lb. 1.72 -
1101 Caledon jade green lb 2.32 -
1106 Indanthrene blue RS, double paste lb. 2.52 -
1113 Indanthrene blue GCD, double paste lb. 1.72 -
1150 Indanthrene olive R, single paste lb. 1.08 -
1151 Indanthrene brown R, single paste lb. 1.65 -
double paste lb. 3.29 -
1212 Indanthrene red violet RH, single paste lb. 1.54 -
1217 Helindon orange R, single paste lb. 1.97 -
p-4 Acid anthracine brown P G lb. 2.48 -
p-14 Anthracene chromate brown EB lb. 1.25 -
p-24 Benzo fast black L lb. 1.94 -
p-80 Diazo brilliant scarlet 6OA lb. 2.55 -
p-202 Zambesi black V lb. .97 -
p-244 Celliton scarlet B lb. 1.25 -
p-313 Naphthol AS-SW lb. 2.74 -
Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. .72 -
Jet, No. 551 lb. .79 -
Brown, R, cone lb. 1.44 -
Orange R, brilliant lb. .80 -
Red 4 B, conc lb. 1.22 -
Yellow, C lb. 1.05 -
FN, cone. lb. 1.08 -
Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.69 -
Black, basic, blue lb. 1.08 -
Jet lb. 1.08 -
Blue, methylene, 2 B, conc lb. 1.42 -
Brown, Bismarck, R, conc lb. .78 -
Chrysodine, R, extra lb. .55 -
Y, extra lb. .59 -
Fuchsine, conc lb. 2.32 -
Green, malachite, cone lb. 1.93 -
Rhodamine, B lb. 3.97 -
Safranine, Y, conc lb. 2.66 -
Violet, methyl, B lb. 1.01 -
Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, B extra lb. .76 -
Orange, acid, Y, conc lb. .42 -
Rhodamine, azo- R, extra, conc.
Rhodamine, R, extra, conc lb. 3.97 -
Scarlet, croceine, MOO lb. 1.33 -
Yellow, azo-, conc lb. .82 -
Fast light, 3 G, extra lb. 1.80 -
Methanil, conc lb. .83 -
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

## E

Echinacea root, bls. lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.09 - 1.12
Chinese, spot, bbls., duty paid lb. .80 - .85
tanners, bbls .06½ - .07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .22 - .25
Elm bark, grinding, bls lb. .30 - .35
powd., bbls., bxs lb. .40 - .45
select, bndls lb. .55 - .60
Emetine hydrochloride, USP, bots oz. 37.50 - 40.00
Ephedra herb, bls lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 -
hydrous, bots., 100 ozs oz. .92 -
Hydrochloride, tin, 100 ozs oz. .75 -
Sulphate, cryst., tins, 100 ozs. oz. .72 -
powd., tins, 100 ozs oz. .73 -
Epichlorohydrin, dms., c.l., works lb. .36½ -
l.c.l., works lb. .37 -
tanks, works lb. .35 -
Epinephrine, synth., USP, bots., 100 grams gram .45 -
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 -
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 -
smaller lots 100 lbs. 3.35 -
Ergot, NF, dms., tin-lined lb. 4.00 - 4.25
Eserine, bots. oz. 45.00 - 50.00
Salicylate, USP, bots. oz. 33.00 - 34.00
Sulphate, bots. oz. 36.00 - 37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd lb. .30½ -
l.c.l., dlvd lb. .31 -
tanks, dlvd lb. .29 -
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, lb. 16½ -
l.c.l., same basis lb. .17 -
tanks, same basis lb. .15 -
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.00
75 cc. hospitals bot. 1.56 -
NF, dms., dlvd lb. .25 -
Ethyl, absolute, ACS, dms lb. .30 -
anesthesia, USP, hospital, cns. lb. .75 - .90
Industrial, USP, dms., c.l., dlvd. lb. .10½ -
l.c.l., same basis lb. .12½ -
tanks, same basis lb. .08½ -
synthetic, dms., incl., dlvd. East. lb. .10½ -
l.c.l., same basis lb. .12½ -
tanks, same basis lb. .08½ -
Isopropyl, dms., c.l., dlvd lb. .06 -
l.c.l., dlvd lb. .06½ -
tanks, dlvd lb. .04½ -
Nitrous, conc., bots., 100 lbs lb. 1.03 - 1.10

# buy RO-10!

## ...says Mr. fatty acid

HERE'S news that should send any alkyd manufacturer running to the nearest teletype. On today's market, you can buy ADM's RO-10 Soya Fatty Acids considerably below whole oil. *As a result you can produce RO-10 alkyds for less than comparable whole oil alkyds.*

In addition, RO-10 Acids allow a wider choice of raw materials . . . simplify processing . . . assure a higher quality, more uniform product. Fast direct esterification increases kettle output. RO-10 Acids are made from recovered soybean oil . . . by *distillation* . . . and are remarkably free from the metallic soaps, hydroxy acids, aldehydes and other impurities often found in split acids.

You can order RO-10 or any other ADM vegetable fatty acids in combination with oils of any kind, in truckload, carload or tank car lots. That means nice *extra* savings!

Familiarize yourself with the chart at right. Then mail the coupon at the right, for samples and technical bulletins.

**SPECIFICATIONS**

| | |
|---|---|
| Acid No. | 195-205 |
| Saponification No. | 198-207 |
| Iodine No. (Wijs) | 125 Minimum |
| Color (Gardner) | 6 Maximum |
| Wt. per gal. | 7.52 lbs. |

Take the Scientific Shortcut with

**ADM fatty ACIDS**

*You can always follow the market with the broad line of*

**ADM VEGETABLE FATTY ACIDS**

| FATTY ACID TYPE AND GRADE | PROTECTIVE COATINGS | SYNTHETIC RESINS | INKS | PUTTY AND CAULKING COMPOUNDS | METALLIC SOAPS | LIQUID SOAPS | WAXES AND POLISHES | INSECTICIDES AND DISINFECTANTS | LUBRICATING GREASES | COSMETICS | PHARMACEUTICAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LINSEED | | | | | | | | | | | |
| Water White | X | X | X | | | | | | | | |
| Regular | X | X | X | X | X | X | | X | | | |
| SM-500 | X | X | X | X | X | X | | X | | | |
| SM-600 | X | X | X | X | X | X | | X | | | |
| Essential Unsaturated Free Fatty Acids | | | | | | | | | | | X |
| SOYA | | | | | | | | | | | |
| Water White | X | X | X | | | | | | | | |
| Regular | X | X | X | | X | X | | X | | | |
| RO-4 | X | X | X | | X | X | | X | | | |
| RO-10 | X | X | X | X | X | X | X | X | X | | |
| RO-11S | X | X | X | | X | | | X | | | |
| CORN-SOYA Double-Distilled | | | | X | | X | X | X | X | | |
| CORN Double-Distilled | | | | X | | X | X | X | X | | |
| COTTONSEED Double-Distilled | | X | | | X | | X | X | X | | |
| COCONUT Double-Distilled | | X | | | | X | | X | | X | |

**ARCHER-DANIELS-MIDLAND COMPANY**
600 Roanoke Building • Minneapolis 2, Minnesota

Please send me the following:

- ☐ TECHNICAL BULLETIN 78, RO-10 SOYA FATTY ACIDS
- ☐ SAMPLES OF RO-10 SOYA FATTY ACIDS
- ☐ TECHNICAL BULLETIN 79, ALKYDS FROM FATTY ACIDS

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

## Ethyl Acetate—Glue, Hide

Ethyl acetate, natural, fermentation, 85-88% dms., c.l. frt alld. lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
tanks, frt alld lb .09 —
95-98%, dms., c.l., frt. alld lb. .11 - —
l.c.l., frt. alld. lb. .12 - —
tanks, frt alld lb .09¼ —
99%, dms., c.l., frt. alld. lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
tanks, frt. alld lb. .09½ —
NF, dms., frt. alld. lb. .25 - —
synthetic, 85-90%, dms., c.l., frt. alld. lb. .10½- —
l.c.l., frt alld lb 11½ —
tanks, frt. alld lb. .09 —
95-98%, c.l., frt. alld. lb. .10¾- —
l.c.l. frt alld lb 11¾ —
tanks, frt alld lb .09¼ —
99%, dms., c.l., frt. alld lb .11 —
l.c.l., frt alld lb .12 —
tanks, frt alld lb .09 —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. lb 48½- —
tanks, dlvd lb. .46 — —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works. lb. .49½- —
tanks, works lb. .48 - —
Benzoate, dms. lb. .70 - .75
Betaethoxypropionate dms. works lb. 70 —
Bromide, tech., 98% dms. lb. .39 41
Butyrate, bots. gal. 4.75 - 5.85
cns., works lb 65 .70
dms., works lb. 60 - —
Carbamate (see Urethane)
Chloride, tech., tanks, frt. alld. E. lb. .13½- —
USP, bbls., cyl. lb. .20 - .22
Ethyl cinnamate, cns. lb. 2.25 - 2.50
Formate, dms. lb. .55 - .65
Iodide, bots., works lb. 3.88 - 4.27
Lactate, dms., works lb. .41 - —
Methacrylate, dms., c.l and truckload, works lb .50 - —
less than truckload, works lb. .50½- .60
Nitrite (see Ether, nitrous)
Oenanthate, dms. lb. .95 - 1.50
Oleate, dms. t.c.l. works lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl orthosilicate).
40% available $SiO_2$, dms. works, lb .55 - —
Ethylalphanaphthylamine dms lb .80 - —
Ethylanilin, dms. lb. .50 - —
Ethylbenzene, dms., c.l. lb. .14 - —
t.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylcellulose, 6b dms. 5,000 lbs., works lb. .52 - —
smaller lots, works lb. .54 - .62
Ethylene dichloride, dms. c.l., works, frt. alld. E. of Rockies lb .09½- —
W. of Rockies lb. .10½- —
l.c.l., works, frt. alld E of Rockies lb. .11½- —
W of Rockies lb .11½ —
tanks, frt. alld., E. Rockies lb .08 —
W of Rockies lb .09 —
Oxide, cyls., c.l., frt. alld. lb. .23¾- —
l.c.l., frt. alld. lb. .24¾- —
tanks, frt. alld. lb. .16¾- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Ethyleneglycol, dms., c.l., frt. alld, E lb. .16 - —
t.c.l., same oasis lb. .17 - —
tanks, same oasis lb. .14½- —
Diethylether, dms. t.c.l. works lb. .50 - —
Monobutylether, dms., c.l., works. lb. .20 - —
t.c.l., works lb. .20½- —
tanks, works lb. .18½- —
Monoethylether, dms., c.l., works lb. .18 - —
t.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16 - —
t.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Monomethylether, dms., c.l., works. lb. .19½- —
t.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Monomethylether acetate, dms., c.l., works lb. .24½- —
t.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monostearate, dms. lb. .33 - —
Ethylethanolamines, mixed dms., c.l., works lb. .32 - —
t.c.l., works lb. .33 - —
Ethylmorphine hydrochloride, USP. bots oz. 11.85 - —
Ethylorthotoluidine, bbls. lb. .80 - —
Ethylvanillin, cns., 3 lbs. or more lb 6.75 - —
smaller lots lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms. lb. 1.25 - 2.05
Eucalyptus leaves, bls lb. .10 - .14
Eugenol, prime, USP. lb. 2.10 - 2.95
Euphorbia, pu., qerb. ols lb. .18 - .20

## F

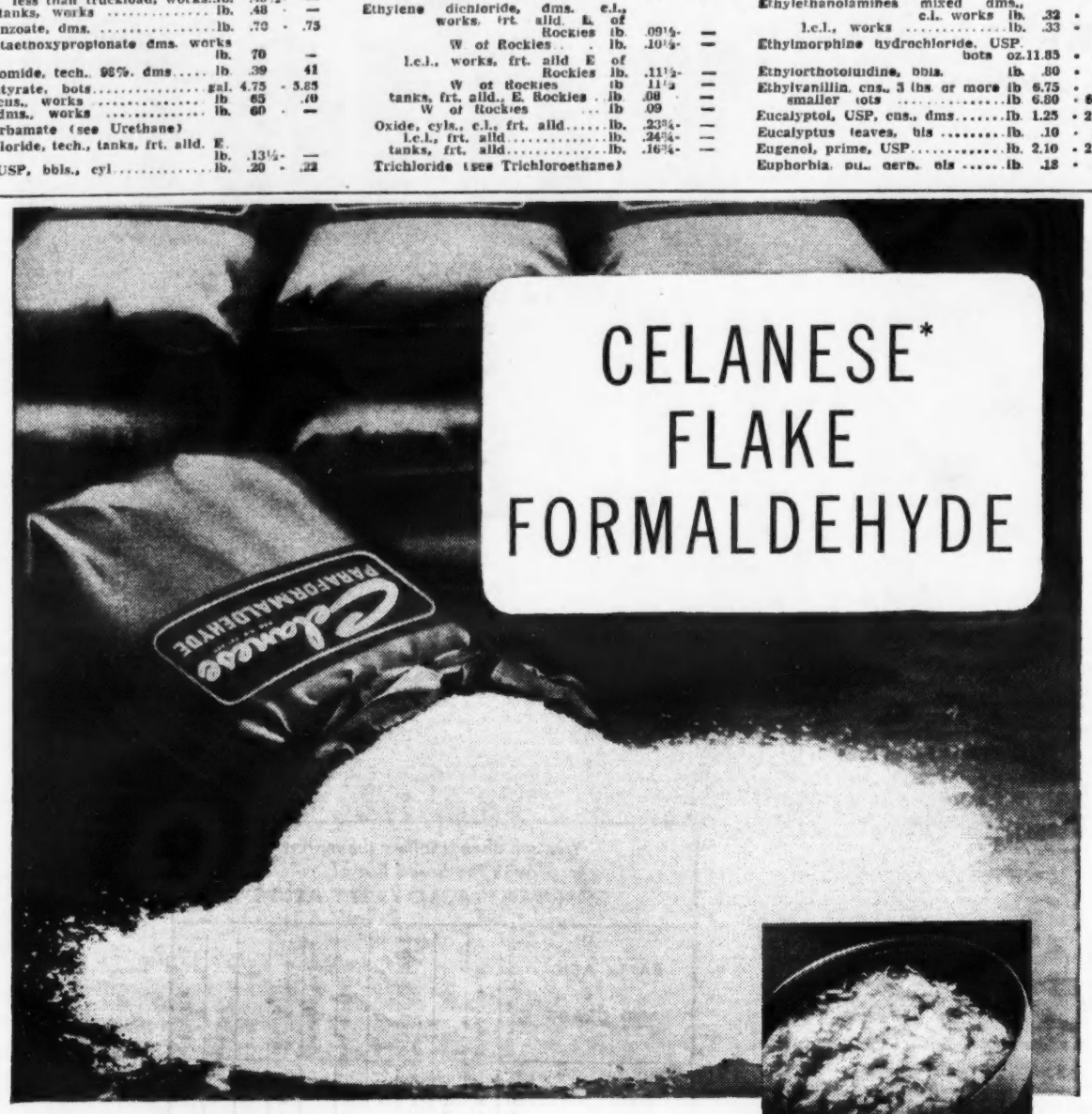
Feldspar enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech., dark, bgs lb. .11 - .11½
French, bgs. lb. .11 - .11½
Indian, bgs lb. .12 - .12½
Fenugreek, domestic, bgs. lb. No stocks.
Indian, bgs lb. .11 .11¼
Moroccan, bgs. lb. .06½- .07
Syrian, bgs. lb. .06¼- .06½
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works lb. .13½- —
Fir balsam, Canada, cns. gal. 32.50 -33.00
Oregon, bbls. gal. 2.35 - 2.60
Fishberries, bgs lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 130.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 122.50 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .42 - .45
Fluorspar, acid grade, bgs., c.l. mines ton. 47.50 - —
t.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton. 42.00 - —
noncontract, c.l., mines ton. 45.00 - —
t.c.l. mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% $CaF_2$, bulk, c.l., mines, net ton. 39.00 -41.00
powd., 90-92% ton. 41.00 - —
foundry grade, lump, 55-60%, ton. 34.00 - —
washed, gravel, 70% or more, $CaF_2$, bulk, c.l., mines ton. 35.00 -37.00
65%, bulk, c.l., mines ton. 34.00 -36.00
60%, bulk, c.l., mines ton. 33.00 -35.00
less than 60% bulk, c.l., mines ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
t.c.l., E. works lb. .0620- —
tanks, E. works lb. .0370- —
Formaldehyde, methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered oasis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware, in states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth dom., powd., bgs., c.l., Fla., Ga. mines ton. 30.00 - —
Tex., mines ton. 27.00 - —
spent, bulk, Bayonne ton 2.00 - 4.00
imported, bgs., c.l. ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
t.c.l., works lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 1, bbls., t.c.l lb. .42½- —
No. 1a, bbls., t.c.l. lb. .41½- —
No. 2, bbls., t.c.l. lb. .40½- —
No. 3, bbls., t.c.l. lb. .38½- —
liquid, No. 0, bbls., t.c.l. lb. .22 - —
No. 1, bbls., t.c.l. lb. .20½- —
No. 2, bbls., t.c.l. lb. .19½- —
No. 3, bbls., t.c.l. lb .17 — —
solid, No. 1, bxs., t.c.l. lb. .28 - .40

## G

G salt, bbls. lb. .59 - .60
Galangal root, bls lb. .22 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls. No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .105 - —
Bayonne, 83 octane, tanks, gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane, group 3, tanks gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.15 - —
Geisemium root, bls. lb. .25 - .50
Gentian root, bls lb. .13 - .17
grd., bbls., bxs. lb. .17 - .18
powd., bbls., bxs. lb. 18 - 21
Geraniol, extra, cns., dms. lb. 2.60 - 3.00
prime lb 2.20 - 2.40
Geranyl acetate, cns. lb. 2.60 - 3.00
Ginger, oleoresin, NF, African, bots. lb. 7.25 - 8.70
Jamaican lb. 9.40 -12.50
Root, African, bls. lb. .37 - .37½
May-June shipment, bgs. lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs. lb. .49 - .49½
Jamaica, No. 1, bgs. lb. .56 - .57
No. 2, bgs. lb. .53 - .54
No. 3, bgs. lb. .51 - .52
Rhattoon, bgs. lb. .50 - .50½
Nigerian, split, bgs. lb. .31 - .32
Ginseng root, cs. lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works .100 lbs. 1.60 - —
l.c.l., bgs., works .100 lbs. 1.75 - 2.00
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .18½- —
65 jellygrams, bgs. c.l., same basis lb. .20 - —
80 jellygrams, bgs., c.l., same basis lb. .21 - —
110 jellygrams, bgs., c.l., same basis lb. .22 - —
130 jellygrams, bgs., c.l., same basis lb. .23 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .24 — —
Bone glue, t.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd lb. .20½- —
t.c.l., same basis lb. .21½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .22 - .25
122-149, bgs., c.l., dlvd lb. .23 - .26
150-177, bgs., c.l., dlvd lb. .24 - .27
178-206, bgs., c.l., dlvd lb. .25 - .28
207-236, bgs., c.l., dlvd lb. .26 - .30
237-266, bgs., c.l., dlvd lb. .27 - .31
267-298, bgs., c.l., dlvd lb. .28 - .32
299-330 bgs., c.l., dlvd lb. .29 - .33
331-362, bgs., c.l., dlvd lb. .30 - .33


...it may be just what your processing needs

Are you searching for processing shortcuts? Flake Formaldehyde, developed by Celanese, may supply the answer to your problem as it has for many processors in fields ranging from modified and high solids resins to fine chemical synthesis.

Flake Formaldehyde is formaldehyde in its most available and easily stored form. Its low water content—less than 9%—is a necessity where almost anhydrous conditions are required and a time and money saver when water must be removed from the final product.

In addition, Celanese* Flake Formaldehyde eliminates the need for heated formalin storage tanks. It is available in multiwall bags and fibre drums . . . offers easy, dustless handling.

We'd like to talk to you about your particular problems . . . tell you about other advantages that flake has to offer. Call your Celanese representative, or write: Celanese Corporation of America, Chemical Division, Dept. 58F, 180 Madison Ave., New York 16.

Celanese* CHEMICALS

*Reg. U. S. Pat. Off.

ACIDS • ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • PLASTICIZERS • SOLVENTS

Glue, Hide, 363-394, bgs., c.l., dlvd. lb. .31 - .34
395-427, bgs., c.l., dlvd. lb. .32 - .35
428-460, bgs., c.l., dlvd. lb. .33 - .36½
461-494, bgs., c.l., dlvd. lb. .34 - .38
495-520, bgs., c.l., dlvd. lb .35 .39
Hide glue, l.c.l., prices 1c. higher than c.l.; bbls. ½c more than bgs.

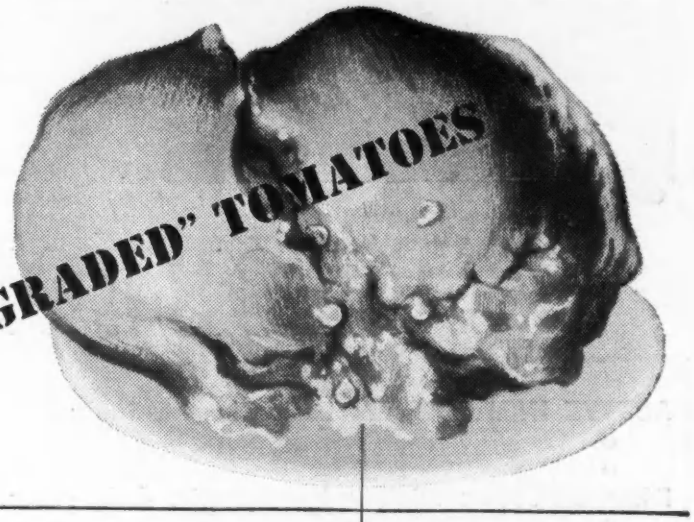
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾ - .18¾
soaplye, 80% tanks, dlvd lb. .15¼ - .16½
dynamite, dms., c.l., dlvd. lb. .24 - —
l.c.l., dlvd lb. .24½ - —
tanks, dlvd lb .23½ - —
high gravity, dms., c.l., dlvd. lb. .24¼ - —
l.c.l., dlvd lb. .24¾ - —
tanks, dlvd lb. .23¾ - —
refined, BP, 98%, dms., c.l., dlvd. lb. .25½ - —
l.c.l., dlvd lb. .26 - —
tanks, dlvd lb. .23 - —
USP, c.p. 95% dms., c.l., dlvd. lb. .24¾ - —
l.c.l., dlvd lb. .25¼ - —
tanks, dlvd lb. .24¼ - —
yellow, distilled dms., c.l., dlvd lb. .24⅛ - —
lb. .24⅛ - —
l.c.l., dlvd. lb. .24⅝ - —
tanks, dlvd. lb. .23⅝ - —
Glycine USP (see Acid, aminoacetic).
Glyoxal, 30%, dms. c.l., works lb. .17½ - —
l.c.l., works lb. .18 - —
tanks, works lb .17 - —
Gold chloride, acid-brown, bots. oz.22.50 -23.00
acid-yellow, bots oz.20.50 - —
Gold of pleasure seed, bgs lb. 40 .41
Goldenseal root, bls lb. 2.90 - 3.50
powd., bxs. lb. 3.50 4.00
Gold-sodium chloride, photo, bots. oz.13.00 -14.00
USP IX, bots oz.14.50 -15.50
Grains of paradise, bgs lb. .45 - .50
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1 90-95%, ogs., ctns., ex whse lb. No prices.
No. 2, whse lb. No prices.
Grease, house, loose, dlvd. lb. .03¼ - —
White, choice, loose lb. .05½ - —
Wool (see Degras and Lanolin).
Yellow, loose lb. .03⅞ - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20%, bbls., same basis lb. .38½ - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis lb. .33 - —
11-15%, bbls., same basis lb. .34 - —
16-20%, bbls., same basis. lb. .34½ - —
21-25%, bbls., same basis lb. .35¼ - —
26-30%, bbls., same basis lb. .35¾ - —
31-35%, bbls., same basis lb. .36¾ - —
36-40%, bbls., same basis lb. .38½ - —
41-45%, bbls., same basis lb. .40 - —
46-50%, bbls., same basis lb. .22¼ - —
50% and over, bbls., same basis lb. .42¾ - —
reduced color, 5%, bbls., same basis lb. .12½ - —
6-10%, bbls., same basis lb. .13¼ - —
11-13%, bbls., same basis lb. .13¾ - —
14-16%, bbls., same basis lb. .14½ - —
17-19%, bbls., same basis lb. .14¾ - —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼ - —
24-25%, bbls., same basis lb. .15¼ - —
26-27%, bbls., same basis lb. .15¾ - —
28-29%, bbls., same basis lb. .16¼ - —
30-31%, bbls., same basis lb. .17¼ - —
32-33%, bbls., same basis lb. .18½ - —
34-35%, bbls., same basis lb. .19½ - —
36-40%, bbls., same basis lb. .41¾ - —
41-45%, bbls., same basis lb. .24½ - —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾ - —
56-60%, bbls., same basis lb. .26¼ - —
61-65%, bbls., same basis lb. .27¼ - —
66-70%, bbls., same basis lb. .28½ - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

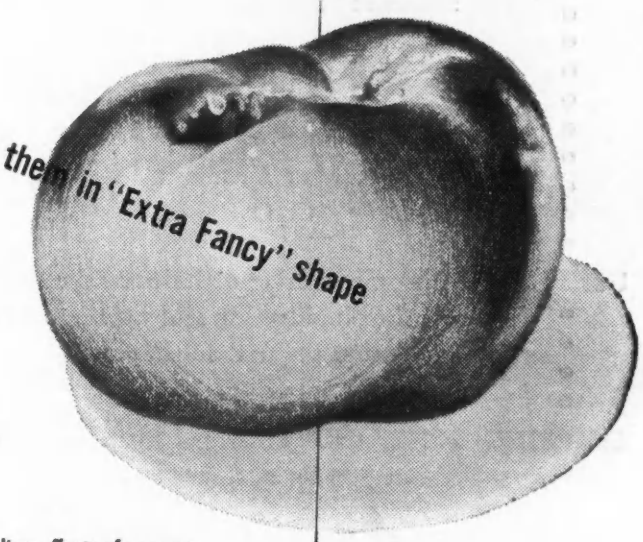
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs. frt alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls. works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb 4.40 5.00
Green, tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald, kgs lb 2.60 -
Grindelia robusta herb, bls. lb. .24 - .30
Guaiac resin, NF, cs. lb. .60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys. lb. 1.90 - 4.95
Carbonate, dms lb 2.95 3.00
Guarana, powd. cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs. lb. .12 - .13½
powdered, USP, bbls. lb. .20½ - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs. lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .25 - .26
No. 2, bgs lb. .20 - .21
No. 3, bgs lb. .16 - .17
Manila, toba, B, bgs. lb. No prices.
C, bgs. lb. .26 - .27
CBB, bgs. lb. .22 - .23
CNE, bgs. lb. No prices.
DBB, bgs. lb. .22 - .23
DK, bgs. lb. .13 - .14
dust, bgs. lb. No prices.
soft, MA, bgs. lb. .14 - .15
WS, bgs. lb. No prices.

Gum, copal, Philippine, pale, chips, bgs. lb. .19 - .21
nubs, bgs. lb. .23 - .25
seeds, bgs. lb. .14 - .15
sorts, bgs. lb. .16 - .17
Pontianak, chips, bgs. lb. .14 - .16
nubs, bgs. lb. .25 - .27
Dammar, Batavia, A/D, bgs. lb. .28 - .30
A/E, bgs. lb. .22 - .24
dust, bgs. lb. .07½ - .08½
E, bgs. lb. .12½ - .13½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs. lb. .06 - .07
black, bold, bgs lb. .11 - .12
unscraped, bgs. lb. .09 - .10
nubs and chips, bgs. lb. .09 - .10
pale, chips, bgs lb. .11 - .13
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .28 - .30
No. 2, bgs lb. .20 - .21
No. 3, bgs. lb. No prices.
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .12½ - .13½
Elemi, cns. lb. 21 - .22
Ester, gum-rosin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc. lb. .12 - .12½
Euphorbium, cs. lb. .35 - .40
Galbanum cs. lb 75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb .31 .33
Guaiac (see Gualac resin).
Karaya, powd., No. 1. lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs. lb. .31½ - .32¼
Locust bean, powd., bgs. lb. .32 - .34
Mastic, cs. lb 2.25 - 2.50
Myrrh, cs. lb .30 .35

Gum, olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yucca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb 1.50 - 1.95
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs. lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls. lb 1.35 - 1.45
Yucca, bgs. lb. .03½ - .08½
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt equald ton.18.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —

Gypsum, plaster of paris, Southard Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt equald ton.12.50 - —
Stucco, paper bgs., Akron, N. Y., frt equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt equald ton 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 —


Often a small investment in Mallinckrodt Fine Chemicals can substantially increase product quality and profit. For instance: to merit "Extra Fancy" grade and prices, canned tomatoes must be *firm*. But tomatoes red-ripe when picked soon "degrade" when processed due to the softening action brought about by their natural enzymes and by heating.

Canners learned they could prevent the profit-stealing effects of enzyme action and heating by adding a trace of calcium salt . . . but they needed Calcium Chloride pure enough for food use. Mallinckrodt research developed the product—refined to remove harmful impurities such as arsenic and lead. Today the canners produce a greater proportion of premium quality grades at only a nominal increase in cost.

Mallinckrodt Research has helped scores of other progressive industries increase quality and profits by developing new applications or entirely new products. Mallinckrodt's fine chemical experience may prove to be valuable to *you*, too. It pays to find out.

FINE CHEMICALS Mallinckrodt SINCE 1867

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Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

**Hawthorn Berries—Lead Carbonate**

## H

| | | | |
|---|---|---|---|
| Hawthorn berries, bgs. | lb. | .39 | .45 |
| Heliotropin, cryst., cns. | lb. | 3.00 | 3.25 |
| Hellebore root, dom., green, bls. | lb. | .56 | .60 |
| imp., black, whole, bls. | lb. | .20 | .25 |
| ground, bxs. | lb. | .25 | .30 |
| powder, bxs. | lb. | .27 | .32 |
| white, whole, bls. | lb. | .30 | .40 |
| powder, bxs. | lb. | .35 | .45 |
| Helonias root, bls. | lb. | 1.65 | 1.75 |
| Hematine extract, cryst., No. 0, bbls., l.c.l. | lb. | .45½ | — |
| No. 1, bbls., l.c.l. | lb. | .44½ | — |
| No. 1A, bbls., l.c.l. | lb. | .41½ | — |
| No. 2, bbls., l.c.l. | lb. | .40½ | — |
| No. 3, bbls., l.c.l. | lb. | .38½ | — |
| No. 4, bbls., l.c.l. | lb. | .36½ | — |
| No. 5, bbls., l.c.l. | lb. | .34½ | — |
| paste, No. 1, bbls., l.c.l. | lb | .19 | — |
| No. 2, bbls., l.c.l. | lb. | .18 | — |
| No. 3, bbls., l.c.l. | lb. | .17 | — |
| No. 4, (red), bbls., l.c.l. | lb. | .12¼ | — |
| Hemlock bark extract, 25% tannin, bbls., c.l., works | lb. | No stocks. | |
| tanks, works | lb. | No stocks. | |
| Henbane leaves, bls. | lb. | .30 | .40 |
| Henna leaves, bls. | lb. | .23 | .25 |
| powd., bbls., bgs. | lb. | .27 | .29 |
| Heptane, industrial, Bayonne, N. J., tanks | gal. | .16½ | — |
| group 3, tanks | gal. | .12½ | .13¼ |
| Hesperidin methylchalcone, works. | lb. | 50.00 | — |
| Hexalin (see Cyclohexanol). | | | |
| Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C. | lb. | .22 | — |
| l.c.l., same basis | lb. | .22½ | — |
| bbls., c.l., same basis | lb. | .24 | — |
| l.c.l., same basis | lb. | .24½ | — |
| USP, dms., 500 lbs. or more, same basis | lb. | .38½ | — |
| smaller lots, same basis | lb. | .39½ | — |
| Hexamine (see Hexamethylene tetramine). | | | |
| Hexane, industrial, group 3, tanks, | gal. | .13¼ | .14½ |
| Bayonne, N. J., tanks | gal. | .16½ | — |
| Hexanol, normal, dms., c.l., works. | lb. | .30½ | — |
| l.c.l., works | lb. | .31 | — |
| tanks, works | lb. | .29 | — |
| Hexyleneglycol, dms., c.l., dlvd. | lb. | .14 | — |
| l.c.l., dlvd. | lb. | .14½ | — |
| tanks, dlvd. | lb. | .12½ | — |
| Hexylmethacrylate, normal, dms., less than truckload, works. | lb. | .71 | — |
| Hexylresorcinol, USP, 50 lbs. up, frt. alld. | lb. | 17.00 | — |
| works | lb. | 15.00 | -17.00 |
| smaller lots, frt. alld. | lb. | 18.00 | — |
| works | lb. | 18.00 | -20.00 |
| Histamine diphosphate, USP, bots | kilo. | 375.00 | — |
| Histidine hydrochloride—laevo, NF, 5b. dms., 50 kilo lots, works | kilo. | 100.00 | -120.00 |
| 1-5 kilos, works | kilo. | 110.00 | -130.00 |
| Homatropine hydrobromide, USP, bots | oz. | 15.00 | -16.00 |
| Hydrochloride, bots. | oz. | 20.00 | -22.00 |
| Methylbromide, NF. | oz. | 13.00 | -16.25 |
| Hoofmeal, 17-18% ammonia bulk, c.l., Chicago | unit-ton. | 6.50 | — |
| Hops, NF, bls. | lb. | .40 | .45 |
| Horehound, bls. | lb. | .19 | .20 |
| Hydrangea root, bls. | lb. | .14 | .17 |
| Hydrastine, bots. | lb. | 31.00 | -37.00 |
| Hydrochloride, NF. | oz. | 29.50 | -36 00 |
| Sulphate, bots. | lb. | 35.00 | -37.00 |
| Hydrastinine, 10-grain bots. | bot. | 1.95 | — |
| Hydrastis (see Goldenseal). | | | |
| Hydrofuramide, dms., fib. cans, works | lb. | .30 | .40 |
| Hydrogen peroxide, USP, bbls. | lb. | .03¾ | .05 |
| 27½%, chys., E. of Miss. or W. coast via Panama Canal | lb. | .17½ | .19½ |
| 35%, chys., same basis | lb. | .23½ | — |
| dms., c.l., same basis | lb. | .20½ | — |
| l.c.l., same basis | lb. | .21½ | — |
| tanks | lb. | .19¾ | — |
| Hydroquinone, photographic, bbls., dms | lb. | .90 | — |
| tech. dms. | lb | 70 | — |
| Hydrovycitronellal, cns. | lb. | 7.30 | - 8.05 |
| Hyoscine salts (see Scopolamine). | | | |
| Hyoscyamine, bots. | oz. | 15.75 | -16.00 |
| Hydrobromide, bots. | lb. | 16.50 | -18.00 |
| Sulphate, bots. | oz. | 13.50 | -14.00 |
| Hypernic extract, cryst., No. 1, bbls., l.c.l | lb. | .56 | — |
| No. 2, bbls., l.c.l. | lb. | .48 | — |
| liquid, No. 1, bbls., l.c.l. | lb. | .30 | — |
| No. 2, bbls., l.c.l. | lb. | .25 | — |
| solid, No. 1, bxs., l.c.l. | lb. | .44 | — |
| Hyssop herb, bgs. | lb. | .35 | .45 |
| Leaves, bgs. | lb. | .45 | .50 |

## I

| | | | |
|---|---|---|---|
| Iceland moss, bgs. | lb. | .35 | .40 |
| Ichthammol, F, dms. | lb. | .60 | .75 |
| Indian red (see Red, Indian). | | | |
| Indigo, nat., chests | lb. | 2.14 | 2.16 |
| synth., paste, bots. | lb. | .23 | — |
| powd., bbls. | lb. | 1.03 | — |
| Indol, CP, bots. | lb. | 17.00 | -19.00 |
| Inositol, dms., dlvd. | lb. | 4.90 | — |
| tins, dlvd. | lb. | 5.00 | — |
| Insect flowers (see Pyrethrum). | | | |
| Iodine, crude, kgs. | lb. | 1.52 | — |
| resubl., USP., bots., jars. | lb. | 2.30 | 2.41 |
| Iodochlorohydroxyquinolin, NF, dms. | lb. | 5.90 | — |
| Iodoform, NF, dms., kgs. | lb. | 4.45 | 4.60 |
| Ionone, alpha, cns. | lb. | 5.30 | -13.65 |
| beta, cns. | lb. | 8.40 | -10.25 |
| Ipecac root, bgs. | lb. | 4.10 | 4.75 |
| powd., bgs. | lb. | 4.40 | 5.00 |
| Irish moss, bleached, prime, bls. | lb. | .16 | .18 |
| Iron acetate, liquor, 28° bbls., c.l., works | lb. | .09 | — |
| l.c.l., works | lb. | .09¾ | — |
| solut., USP IX, cbys. | lb. | .16 | — |
| djns. | lb. | .17 | — |
| Cacodylate, NF, bots. | lb. | 13.50 | -14.50 |
| Chloride (ferric), annydr., tech., dms., c.l., works | 100 lbs. | 5.75 | — |
| l.c.l., works | 100 lbs. | 6.50 | - 7.50 |
| cryst., tech., c.l., bbls., works | 100 lbs. | 5.00 | 6.00 |
| l.c.l., bbls., works | 100 lbs. | 5.50 | 8.00 |
| USP, dms., works | lb. | .06¾ | .08¼ |
| solut., 42 Be. 100% basis, tanks, works | 100 lbs. | 3.45 | — |
| Citrate, gran., dms. | lb. | .77 | .80 |
| Gluconate, NF, dms. | lb. | .83 | .95 |
| Glycerophosphate, N.F., powd. | lb | 4.25 | 4.35 |
| Hypophosphite, NF, dms. | lb. | 2.80 | — |
| Iodide, bgs. | lb. | 3.66 | - 3.73 |
| Naphthenate, liq., 6% Fe, dms., frt. alld. | lb. | .21¼ | .21¾ |
| Oxalate, gran., dms. | lb. | .83 | .85 |
| Phosphate, soluble, NF, gran., cs. | lb. | .84 | .85 |
| Pyrophosphate, soluble, NF VII, gran., dms. | lb. | .69 | .72 |
| Reduced (see Iron by hydrogen). | | | |
| Resinate, 7.4% Fe, dms. frt. alld. | lb. | .23 | — |
| Stearate, dms., c.l. | lb. | .34 | — |
| ton lots | lb. | .35 | — |
| less ton lots | lb. | .36 | — |
| Sulphate, partially hydrated, bgs., c.l., works | ton. | 28.50 | — |
| l.c.l., works | ton. | 29.50 | — |
| ferrous, tech. (see Copperas) | | | |
| USP, cryst., bbls., dms. | lb. | .09½ | .10 |
| Iron by hydrogen, kgs. | lb. | .80 | .85 |
| Iron-ammonium citrate, green, NF, gran., dms. | lb. | .55 | .58 |
| brown, USP, gran., dms. | lb. | .55 | .58 |
| Oxalate, dms. | lb. | .25½ | .28¼ |
| Iron-potassium oxalate, fine gran., dms. | lb. | .30½ | .33⅓ |
| Iron-sodium oxalate, fine gran., dms. | lb. | .25½ | .28⅓ |
| Isoborneol, cns. | lb. | .94 | .95 |
| Isobornyl acetate, cns. | lb. | .77 | .97 |
| Thiocyanoacetate, dms., c.l., works. | gal. | 3.85 | — |
| l.c.l., works | gal. | 3.85 | 4.05 |
| tanks, works | gal. | 4.23 | — |
| Isobutyl acetate, cns. | lb. | .72 | 1.25 |
| Methacrylate, dms., works | lb. | .60 | — |
| Propionate, cns. | lb. | No prices. | |
| Isobutyraldehyde, dms., works. | lb. | .50 | .53 |
| Isoeugenol, cns. | lb. | 3.15 | - 3.70 |
| Isoleucine, dextro-laevo, with al-loisoleucine, dms., works | lb. | 25.00 | -35.00 |
| Isopentane, dms., works. | lb. | .45 | .55 |
| Isophorone, dms., c.l., works. | lb. | .22½ | — |
| l.c.l., works | lb. | .23 | — |
| tanks, works | lb. | .21 | — |
| Isopropanol (see Alcohol, isopropyl). | | | |
| Isopropyl acetate, dms., c.l., frt. alld. | lb. | .10½ | — |
| l.c.l., same basis | lb. | .11 | .11¼ |
| tanks, same basis | lb. | .09 | — |
| Alcohol (see Alcohol, isopropyl). | | | |
| Benzene (see Cumene). | | | |
| Ether (see Ether, isopropyl). | | | |
| Isopropylamine, dms., c.l., frt. alld. | lb. | .24 | — |
| l.c.l., same basis | lb. | .25 | — |
| tanks, same basis | lb. | .22½ | — |
| Isoquinoline, dms., c.l., works. | lb. | .20 | — |
| l.c.l., works | lb. | .40 | — |

## J

| | | | |
|---|---|---|---|
| Jaborandi leaves, bls. | lb. | .15 | .20 |
| Jalap root, NF, bls. | lb. | .43 | .45 |
| powd., bbls., bxs. | lb. | .48 | .50 |
| Resin, NF, powd., bxs. | lb. | 6.20 | - 6.60 |
| Juniper berries, bgs. | lb. | .08 | .12 |
| Tar, USP, dms. | lb. | .40 | .65 |

## K

| | | | |
|---|---|---|---|
| Kamala, powd., cns. | lb. | .60 | .65 |
| Kaolin (see China clay). | | | |
| Kava kava root, bls. | lb. | .28 | .30 |
| Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks | gal. | .08625 | — |
| Bayonne, 41-43 s.g., w.w., tanks. | gal. | .092 | — |
| California, 40-43 s.g., w.w., tanks | gal. | .121 | .126 |
| Gulf ports, 41-43 s.g., w.w., tanks. | gal. | .086 | .0925 |
| Okla.-Tex., 41-43, s.g., w w. tanks. | gal. | .085 | .09 |
| Penn., Western, 45 s.g., w.w., tanks | gal. | .0975 | .10 |
| Kola nuts, ngs | lb. | 08 | .10 |
| Kyanite, imp., low iron content, 10-mesh, whse | ton. | 85.00 | -95.00 |
| calcined, grain, 10-mesh, whse | ton. | 95.00 | -105.00 |

## L

| | | | |
|---|---|---|---|
| Lady slipper root, bls. | lb. | 1.45 | - 1.50 |
| Lanolin, anhyd., cosmetic, dms., works | lb. | .30 | .32 |
| pharmaceutical, USP, dms., works | lb. | .28 | .31 |
| hydrous | lb. | .27 | .29 |
| Lard, cash, trcs., Chicago | lb. | .1100 | — |
| Larkspur seed, bgs. | lb. | .30 | .35 |
| Laurel berries, bls. | lb. | .25 | .26 |
| Leaves, Greek, bls. | lb. | .08 | .08¼ |
| Turkish, bls. | lb. | .11 | .11½ |
| Yugoslavian, bls. | lb. | .08½ | .09 |
| Lauryl methacrylate, normal, dms., less than truckload, works | lb. | 1.00 | — |
| Lavender flowers, medium, bls | lb. | .55 | .60 |
| ordinary, bls. | lb. | .16 | .20 |
| select, bls | lb. | .60 | .65 |
| Lead acetate, white, crystals, bbls., | lb. | .19 | — |
| gran., bbls. | lb. | .19¾ | — |
| powd., bbls. | lb. | .19¾ | — |
| USP cryst., dms. | lb. | .20 | — |
| gran., powd., dms. | lb. | .20¾ | — |
| Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over | lb. | .25 | .27 |
| l.c.l., frt. alld. | lb. | .26 | — |
| 1-lb. bgs., c.l., frt. alld. | lb. | .33 | .38 |
| l.c.l., frt. alld. | lb. | .34 | .39 |
| Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East. | | | |
| Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. | lb. | .13¼ | — |
| l.c.l., works | lb. | .14¼ | — |
| Carbonate (see Lead, white). | | | |


Mutual's

# KOREON

**ACTIVE INGREDIENT:** Basic Chromic Sulfate

**DESCRIPTION:** Slightly hygroscopic, dark green, small, non-crystalline, rounded granules. Bulk density averages 70 lb. per cu. ft.

Two grades:

- Koreon M, about 33% basicity (Schorlemmer) and 24% $Cr_2O_3$.
- Koreon X, about 52% basicity and 25% $Cr_2O_3$.

**USES:** Chrome tanning of hides by the one-bath process. Insolubilization and stabilization of proteins and other organic substances.

**SHIPPING CONTAINERS:** Bags - 75 lb. net. Fibre drums - about 325 lb. net.

## OTHER MUTUAL PRODUCTS

Sodium Bichromate — Sodium Chromate

Potassium Bichromate — Potassium Chromate

Chromic Acid

MUTUAL CHEMICAL CO. OF AMERICA, Dept. OP
270 Madison Avenue, New York 16, N. Y.

Please send me free copy of "Koreon, One-Bath Chrome Tan for Leather". Serial No. 54.

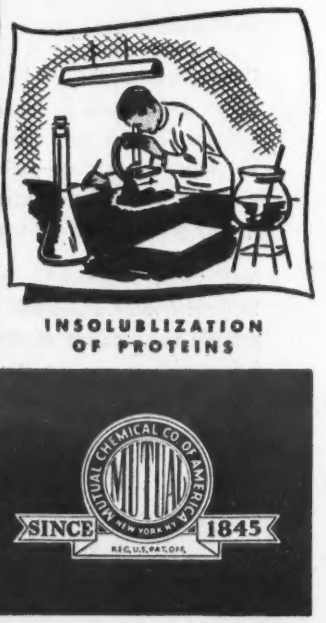
NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

CHROME TANNING



INSOLUBLIZATION OF PROTEINS

MUTUAL CHEMICAL CO. OF AMERICA — SINCE 1845 — NEW YORK, N.Y. — REG. U.S. PAT. OFF.

Lead chloride, dms.....lb. .39 - —
Iodide, NF V, jars.....lb. 3.30 - —
Linoleate, liq. 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y.....lb. .1150-
St. Louis.....lb. .1130- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis.lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% pb, dms., dlvd. lb. .14¾- .15
24% Pb, dms., dlvd.....lb. .19¾- .20¼
37% Pb, dms., dlvd.....lb. .26 - .26½
Nitrate, bbls., c.l.....lb. .19 - —
l.c.l. .....lb. .19¼- —
Oleate, fused, bbls .....lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls ...lb. .38 - .39
Phthalate, dibasic, dms. works lb. .37½- —
Red, 95% $Pb_3O_4$, or less, bbls., c.l., ship't point, frt. alld. lb. .14¼- —
l.c.l., same basis .....lb. .15¼- —
97% $Pb_3O_4$, bbls., c.l., same basis lb. .14½- —
l.c.l., same basis .....lb. .15½- —
98% $Pb_3O_4$, bbls., c.l., same basis lb. .14¾- —
l.c.l., same basis .....lb. .15¾- —
Resinate, precip., dms., dlvd...lb. .25½- —
Salicylate, normal, dms., works. lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works .50¼- —
precip., obls., c.l. .....lb. .36 - —
ton lots .....lb. .37 - —
less ton lots .....lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
tribasic, dms., works .....lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms .....lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., same basis ....lb. .15¾- —
basic silicate bgs., c.l., ship't point, frt. alld lb. .13¾- .16¼
l.c.l., same basis .....lb. .14¾- .17¼
basic sulphate bgs., c.l., ship't point, frt. alld lb. .13¼- —
l.c.l., same basis .....lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works..lb. .13½- —
l.c.l., same basis .....lb. .16½- —
unbleached, c.l., same basis lb. .12½- —
l.c.l., same basis .....lb. .15½- —
Lemon peel, bls.....lb. .18 - .20
Leucine, dextro-laevo, dms., works lb.23.00 -35.00
Licorice extract, mass, cns.....lb. .40 - .45
powd., bbls. .....lb. .55 - —
Root, bls .....lb. .08 - .09
5-lb. bundles, cs.....lb. .40 - .45
powd., bbls .....lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¼
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical quicklime, lump, pebble, bulk, Adams, Mass.ton 10.00 - —
Annville, Pa. .....ton.10 50 - —
Bellefonte, Pa. .....ton.10.50 - —
Buffalo N Y.....ton.10.00 - —
Carey, Ohio .....ton. 7.00 - —
Cedar Hallow, Pa.....ton.10.50 - —
Farnams, Mass. .....ton.14.00 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo .....ton. 7.50 - —
Keystone, Ala .....ton. 9.75 - —
Knoxville, Tenn.....ton. 9.75 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.75 - —
Martinsburg, W. Va..ton.10.00 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind .....ton. 7.50 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio .....ton. 7.50 - —
Sherwood, Tenn.....ton.10.00 - —
Sherwood, Wis. .....ton. 8.50 - —
Woodville, Ohio.....ton. 9.50 - —
York, Pa. .....ton.10.50 - —
Hydrated, paper bgs., Adams, Mass..ton.11.50 - —
Annville, Pa .....ton.13.50 - —
Bellefonte, Pa.....ton.13.50 - —
Buffalo, N. Y.....ton.13.50 - —
Carey, Ohio .....ton 9.00 - —
Cedar Hollow, Pa.....ton.13.50 - —
Engle, W Va.....ton.13.00 - —
Farnams, Mass.....ton.14.00 - —
Gibsonburg, Ohio.....ton 9.50 - —
Hannibal, Mo .....ton. 9.50 - —
Keystone, Ala .....ton.13.00 - —
Knoxville, Tenn.....ton.12.25 - —
Limedale, Ark .....ton.10.50 - —
Longview Ala.....ton.13.00 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio. ....ton.10.50 - —
Mitchell, Ind.....ton.10.00 - —
Petoskey, Mich .....ton 10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak....ton.12.00 - —
Rockland, Maine .....ton 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Tenn. ....ton.13.00 - —
Sherwood, Wis. .....ton.10.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodyville, Ohio .....ton. 8.50 - —
York, Pa .....ton.13.50 - —
Spray, paper bgs. Adams, Mass. ton.11.70 - —
Annville, Pa .....ton.13.50 - —
Bellefonte, Pa.....ton.13.50 - —
Carey, Ohio .....ton.11.00 - —
Engle, W Va.....ton.13.00 - —
Farnams, Mass.....ton.14.00 - —
Gibsonburg, Ohio ....ton.10.00 - —
Marblehead, Ohio ....ton.10.00 - —
Rockland, Me .....ton.10.00 - —
Scioto, Ohio .....ton.10.00 - —
Woodville, Ohio .....ton.10.00 - —
York, Pa .....ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd. bgs., works....ton. 3.50 - 4.00
Linalool, ex bois de rose.....lb. 5.45 - 5.70
ex lignaloe wood .....lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots....lb. 5.50 - 5.80
96-98%, bots. .....lb. 6.35 - 6.85
ex petitgrain bots .....lb. 4.25 6.00
Lindane, 25%, cns., works.....lb. 3.00 - 3.05
dms., works. .....lb. 2.95 - —
Linden flowers with leaves, bls...lb. .22 - .25
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills..ton.61.00 - —
extracted, 34%, same basis....ton.56.00 - —
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l., same basis .....lb. .14¼- —
Lithium benzoate, dms.....lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs.....lb. 1.10 - 1.15
Chloride, cryst., dms .....lb. .93 - —
Citrate, NF, bbls., dms., kgs .lb. 1.25 - 1.40
Fluoride, bbls .....lb. 1.80 - 2.00
Hydride, dms., works.....lb.14.00 -18.50
Hydroxide, dms .....lb. 1.00 - 1.25
Salicylate, dms. .....lb. 1.63 - 1.70

Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. .....lb. .07¼- .07½
Titanated (high-strength), bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd. .....lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls .....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
leaves, NF .....lb. .85 - 90
Lobeline sulphate, bots., works...oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. .....lb. .38½- —
No. 2, bbls., l.c.l. .....lb. .36½- —
liquid, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs., l.c.l.....lb. .33 - —
No. 2, bxs., l.c.l.....lb. .31 - —
No. 3, bxs., l.c.l.....lb. .28½- —
No. 4, bxs., l.c.l.....lb. .28 - —
No. 5, bxs., l.c.l.....lb. .26½- —
No. 6, bxs., l.c.l. .....lb 44½- 49¼
Lovage root, imported, bls.....lb. 1.00 - 1.10
Lupulin, tins .....lb 1.95 2.00
Lycopodium, cs. .....lb. 1.20 - 1.50
Lysine hydrochloride, dextro-laevo. lb.o.145.00 -149.00

## M

Mace, Amboyna, bls.....lb. .73 - .74
Banda, No. 1, bls .....lb 1.05 Nom.
Siauw, No. 1, bbls.....lb. .87 - .88
West Indian, bls. .....lb. .82 - .82½
broken, bls .....lb. .75 - .76
Madder, Dutch, bgs.....lb .29 - .32

Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns.....lb. .34 - —
heavy, bbls .....lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb .90 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt alld .....lb. .10 - —
bbls., c.l., frt. equald.....lb 10¼- —
l.c.l., frt. alld .....lb 11¼- —
kgs., c.l., frt equald.....lb 11½- —
l.c.l., frt alld .....lb .12½- —
USP, bgs., c.l., frt. equald..lb. .10¾- —
l.c.l., frt alld .....lb .11¾ —
bbls., c.l., frt equald.....lb. .11¼- —
l.c.l., frt. alld .....lb 12¼ —
kgs., c.l., frt. equald.....lb. .12½- —
l.c.l., frt alld .....lb 13½ —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county Pa Frt. equald. with N Y C on all other destinations
Chloride, anhyd., dms., works lb .12¼- —
flake, bbls c.l., works.....ton.40.00 —
l.c.l., works .....ton 44.00 -46.00
Gluconate, dms., cns.....lb. 1.88 - 1.93
Glycerophosphate dms. works.lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb .29 - .30
Hypophosphite, dms lb 1.60 —
Laurate, bbls .....lb. .40 - .47
Metal, 99.8% ingots, cs., works.lb .20½- —
sticks, cs., works .....lb. .34 - .38

### Lead Chloride—Manganese Hypophosphite

Magnesium oleate, fused, bbls...lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works .lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works.....lb. .09 - .10
Stearate, ctns., c.l .....lb .35 - —
smaller lots .....lb 36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP dms. 1,000-lb. lots lb 43 - —
100-lb. lots lb 50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash .ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd. .....lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls.....lb .60 1.25
Blue, bls. .....lb .95 1.10
Leaves, bls. .....lb .30 - .35
Mandrake root, bls .....lb. .36 - .40
Manganese acetate, bbls. .....lb .32 —
Arsenate, bgs .....lb 12 - 12½
Borate, tech., bbls .....lb 23 - —
Carbonate, bbls., works .....lb .21 - —
Chloride, anhyd., dms. works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works..ton.78.00 - —
smaller lots, works ton.74.00 -94.00
Gluconate, dms., cns .....lb. 1.86 1.93
Glycerophosphate, NF bb dms lb 4.15 4.25
Hydrate, bbls., works .....lb. .34 —
Hypophosphite, NF, dms.....lb. 2.00 - —

How can I trim material costs... without cutting quality?

...that's easy, use Basic Silicate White Lead "45 X"
TRADEMARK

Photomicrograph of Basic Silicate White Lead "45 X" particles, showing concentration of reactive white lead compound on surface.

Photomicrograph of the characteristic lead soap formation produced with Basic Silicate White Lead "45 X," showing the effective action of the particle.

NATIONAL LEAD COMPANY
*New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Philadelphia 25; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6 (National Lead Co. of Mass.).*

You've never seen a pigment like Basic Silicate White Lead "45 X." It's unique.

This White Lead is higher in bulking value than any other reactive pigment. You use fewer pounds . . . make just as many gallons of paint . . . and maintain all the good qualities that lead pigments are noted for: durability, flexibility, and adhesion.

In this pigment the reactive portion of each particle is concentrated at the surface, thus giving you all the well-known advantages of White Lead . . . plus high bulk.

This new pigment is also a highly efficient film stabilizer. And, it contributes to the self-cleaning properties of multiple-pigment house paints.

Many paint manufacturers have adopted Basic Silicate White Lead "45 X." Let a National Lead representative give you the whole money-saving story—supported by results of both laboratory and outdoor exposure tests. Write or phone our nearest office.

*"Save the Surface and You Save All"*

DUTCH BOY
*Basic Silicate*
WHITE LEAD "45 X"

## Manganese Linoleate—Monochlorobenzene

Manganese linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip., 8.2% Mn, obls., lb. .41½ - —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. and tp. .22¾ - .23¼
Oleate, precip. obls lb. 33½ - —
Resinate, fused, 3½% Mn, cms. precip., dms lb. .21½ - —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton. 63.00 - —
l.c.l., dlvd. S. E ton. 70.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼ - .07
75% bgs., c.l., dlvd. S. E ton. 72.50 - —
l.c.l., dlvd. S E ton. 79.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton. 62.00 - 63.00
Manna, flake, large, cs lb 1.10 - 1.35
small, cs lb .85 - 1.00
Mannitol, com'l, dms., works lb 40 - 43
reagent, 50-lb. dms., works lb .85 - —
Marjoram, Argentine, bls lb 14 Nom.
Bohemian, bls. lb. .38 - .38½
Chilean, bls. lb. .35 - .36
French, bls. lb. .48 - .48½
Peruvian, bls lb. .33 - .38
Matico leaves, bls .25 .33
Melamine, bgs. ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½ - —
less 500 lbs., works lb. .38½ - —
Menadione, USP, bots gram. .06½ - —
Menthol, natural, USP, bots lb. 11.80 - 12.00
synthetic, USP, racemic, cns lb. 7.35 Nom.
Menthyl salicylate, tins lb. 4.00 - 4.28
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.07 - —
yellow, NF, fib. dms lb. 4.22 - —
Meta: (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .11½ - —
Metaldehyde, dms., works lb. .78 - 1.00
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works. lb. .55 - —
l.c.l., works lb. .56 - —
Metaparaisopropylphenol, drs., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - —
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .85 - —
Methanol, natural, dms., c.l., frt. alld gal. .58 - —
l.c.l., frt. alld gal. .61 - —
tanks, frt. alld gal. .59 - —

Prices on natural methanol W. of Miss. 3c. higher.

synthetic, zone 1, dms. c.l., frt. alld gal. .38 - —
l.c.l., frt. alld gal. .41 - —
tanks, frt. alld gal. .26 - —
zone 2, dms., c.l., frt. alld gal. .43½ - .45
l.c.l., ex whse gal. .47½ - —
tanks, frt. alld gal. .29½ - .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis, lb. 3.00 - —
Methoxychlor, dealers dms., cs., 97%, same basis lb. 2.97 - —
works lb. .65 - —
Methyl abietate, non-ret dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
l.c.l., same basis lb 17¾ —

Zone 1 includes New England and Middle Atlantic states, Va., W Va., N C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S C. and Tenn

Methyl acetoacetate, dms., c.l., dlvd. lb. .53 - —
l.c.l., dlvd lb. .54 - —
tanks, dlvd lb. .51½ - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .60 - —
l.c.l., same basis gal. .71 - —

Natural methyl acetone group A prices W. of Miss 3c per gal higher

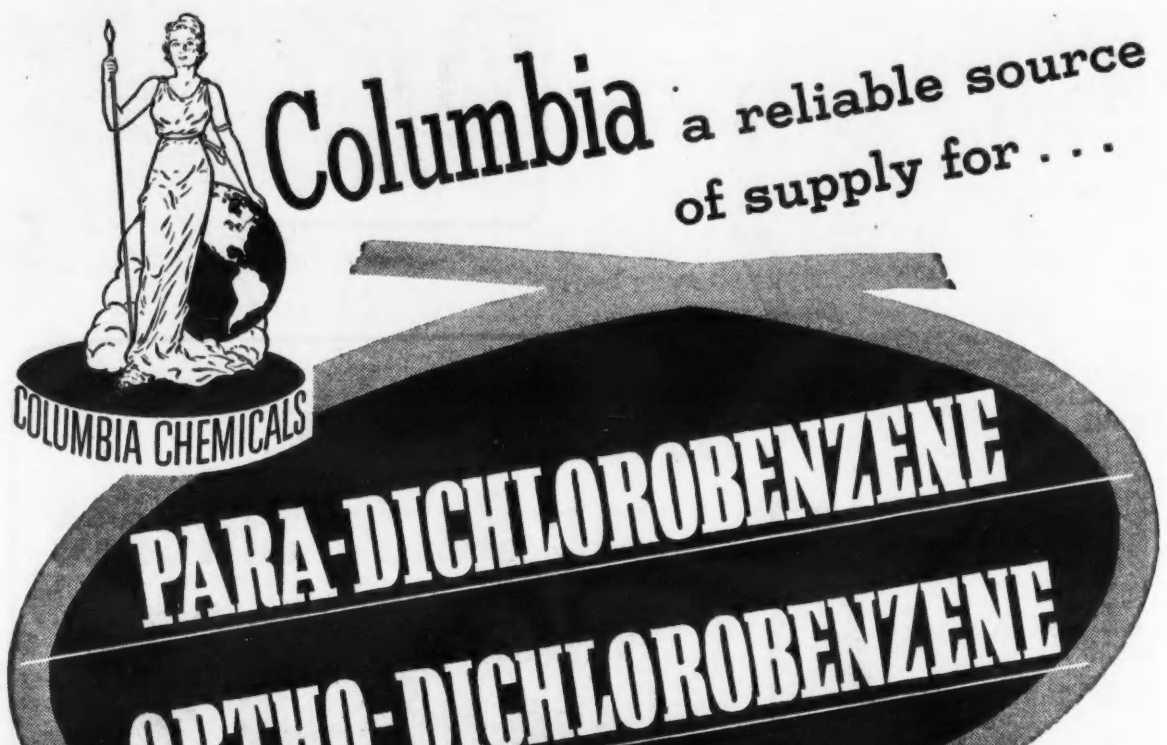
Group B dms., incl., E. Miss., frt. alld., any quantity gal. .60 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½ - —
frt. alld W gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld W gal. .47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alcohol (see Methanol)
Anthranilate, 100 lbs or more lb. 2.10 2.90
extra lb. 4.00 4.40
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls lb. .60 .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit works lb. .10½ - —
refrigerator mfrs. cyls., dlvd lb. .37 - —
other consumers or service men, cyls., dlvd lb .42 —
Cinnamate, cns. lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .23½ - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Formate, refd., dms lb. .35 40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.65 - 4.75
cbys., works lb. 2.80 - 3.00
Lactate, dms., l.c.l., works lb. .35 —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib dms. lb 1.90 - 2.00
Roseanilin chloride, USP, bot: lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs lb. .47 - .50
Testosterone, USP, 100 gms gm. 3.50 -
Methylheptin carbonate, bots lb. 35.00 - 58.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .11½ - —
Ketone, dms., works lb. .95 - —
Methylcellulose, special vis., (4,000 cps.), fib ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld on 100 lbs. lb. .75 - .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 3.22
Chloride indust, dms., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd E lb. .13½ - —
tanks, dlvd. E lb. .11½ - —
Methylethyl ketone, dms., c.l., dlvd lb. .10½ - —
l.c.l., dlvd lb. .11 - —
tanks, dlvd lb. .09 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl)
Ketone, dms., c.l., dlvd lb. .12½ - —
l.c.l. dlvd lb. .13 - —
tanks, dlvd lb. .11 - —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, dms., dlvd. lb. 1.40 - 1.45
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅞ - —
roofing, 20 to 80 mesh, works lb. .03⅛ - —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse., or frt. alld. E lb. .06½ - —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse. or frt. alld. E lb. .06½ - —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼ - —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra fine, bgs., c.l., works, frt alld. E lb. .07¼ - —
l.c.l., ex whse. or frt. alld. E lb. .08 - —

Mica, wet-grd., W. of Miss. R., ½c. higher, W of Rockies, 1c. higher

Milk powder, skimmed, roller bbls., c.l lb. .10½ - .10⅝
spray, bbls., c.l. lb. .12¼ - .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½ - .35½
Sugar, crude, bgs., c.l., works lb. .16½ - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾ - —
200-1,800-lb. lots lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ - —
Molasses, blackstrap, tanks gal. .12 - —
New Orleans, tanks gal. .11 - —
Molybdate orange (see orange molybdate)
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld. as dlvd. lb. .08½ - —
l.c.l., same basis lb. .09½ - —
tanks, same basis lb. .07 - —
Prices in the West, 1¾c. higher.


**Columbia PARA-DICHLOROBENZENE**

A high purity Columbia product consisting of white to clear crystals with a pleasantly aromatic odor. Vaporizes readily, leaves no residue, does not stain, is insoluble in water.

In six mesh sizes especially suited to packaging or blocking.

Widely used as a deodorant, agricultural insecticide, moth killer and as a chemical intermediate.

Packed in 25, 50, 100 and 200 pound fiber containers. (200 lb. Leverpak).

**Columbia ORTHO-DICHLOROBENZENE**

A high purity Columbia product consisting of a clear, colorless to slightly yellow liquid with a pungent but not unpleasant odor. Insoluble in water; relatively low volatility.

Used as an ingredient in insect sprays; for sewage control as a chemical ingredient; solvent for preparation of cosmetics, shoe polish, pyrethrum, gums, rubbers, fats, sulfur; paint and varnish remover.

Available in 55 gallon drums and 8,000 gallon tank cars.

**Columbia will handle your requirements promptly and dependably. Both Para and Ortho are available in mixed car shipments. In many cases, you will realize other definite advantages. Your inquiries are invited. Pittsburgh Plate Glass Company, Columbia Chemical Division, Fifth at Bellefield, Pittsburgh 13, Pa.**

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ST. LOUIS • CHARLOTTE • PITTSBURGH
CLEVELAND • PHILADELPHIA
PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS
PITTSBURGH PLATE GLASS COMPANY

| | | | |
|---|---|---|---|
| Monoethanolamine, dms., c.s., frt. alld. E. | lb. | .57 | - — |
| l.c.l., same basis | lb. | .58 | - — |
| tanks, same basis | lb. | .23½ | - — |
| Monoethylamine, dms., c.l., frt. alld. basis 100% | lb. | .21½ | - — |
| l.c.l., same basis | lb. | .22½ | - — |
| tanks, same basis | lb. | .20 | - — |
| Monomethylamine, 25%-40%, dms., c.l., works, basis 100% | lb. | .25 | - — |
| l.c.l., same basis | lb. | .25½ | - .26 |
| tanks, same basis | lb. | .21 | - — |
| Monomethylanilin, dms., works | lb. | .70 | - — |
| Monononylnaphthalene, dms., c.l., works | lb. | .14 | - — |
| l.c.l., works | lb. | .15 | - — |
| tanks, works | lb. | .13 | - — |
| Monosodium fluoroacetate (see Sodium fluoroacetate monobasic). | | | |
| Monosodium glutamate (see Sodium glutamate, monobasic). | | | |
| Phosphate (see Sodium phosphate, monobasic). | | | |
| Monotertiarybutylmetacresol, dms., c.l., works | lb. | .50 | - — |
| l.c.l., works | lb. | .51 | - — |
| tanks, works | lb. | .49 | - — |
| Morphine, cns. | oz. | 12.40 | -12.60 |
| Acetate, cns. | oz. | 9.85 | - 9.90 |
| Hydrobromide, cns. | oz. | 9.80 | - 9.90 |
| Hydrochloride, NF, cns | oz. | 9.90 | 10.00 |
| Sulphate, USP, cns | oz. | 9.90 | -10.00 |
| Morpholine, dms., c.l., works | lb. | .60½ | - — |
| l.c.l., works | lb. | .61 | - — |
| tanks, works | lb. | .59 | - — |
| Mountain ash berries, bgs. | lb. | .65 | - .75 |
| Mullein flowers, cs. | lb. | 1.15 | - 1.20 |
| Leaves, bls. | lb. | .16 | - .18 |
| Musk, nat., Tonquin, grains, bots. | oz. | 25.00 | -30.00 |
| synthetic—Ambrette, 100 lbs. | lb. | 5.40 | - — |
| 25 lbs. | lb. | 5.50 | - — |
| 5 lbs. | lb. | 5.65 | - — |
| Ketone, 100 lbs. | lb. | 4.95 | - — |
| 25 lbs. | lb. | 5.05 | - — |
| 5 lbs. | lb. | 5.20 | - — |
| Xylol, 100 lbs. | lb. | 1.40 | - — |
| 25 lbs. | lb. | 1.45 | - — |
| 5 lbs. | lb. | 1.55 | - — |
| Musk root, bls. | lb. | No prices. | |
| Mustard seed, Calif., brown, f.o.b. source | lb. | .07¼ | - .07½ |
| Danish, bgs., futures | lb. | .11¾ | - .12 |
| Dutch, yellow, bgs., futures | lb. | .12 | - .12½ |
| English, yellow, bgs. | lb. | .11 | - .13 |
| Montana, brown, Sept.-Oct., bgs., source | lb. | .05 | - .05½ |
| Oriental, Sept.-Oct., bgs., source | lb. | .05 | - .05¼ |
| yellow, Sept.-Oct., bgs. source | lb. | .08½ | - .09 |
| Washington, yellow, source, bgs. | lb. | .11 | - .11½ |
| Myrobalans, J1, assorted, ex dock. | ton. | 52.00 | - — |
| crushed, ex dock | ton. | 76.50 | - — |
| J2, ex dock | ton. | 42.00 | - — |

## N

| | | | |
|---|---|---|---|
| Naphtha, painters (see Petroleum naphtha, V. M. & P.). | | | |
| Solvent (see S). | | | |
| Naphthalene, dom., crude, 74° bgs., bbls., frt. equald | lb. | .07 | - — |
| tanks, same basis | lb. | .0425 | - — |
| 78°, bgs., c.l., works, frt. equald | lb. | .0535 | - — |
| l.c.l., same basis | lb. | .0560 | - — |
| bbls., c.l., same basis | lb. | .0535 | - — |
| l.c.l., same basis | lb. | .0560 | - — |
| dms., c.l., same basis | lb. | .0650 | - — |
| l.c.l., same basis | lb. | .07 | - — |
| tanks, same basis | lb. | .0473 | - — |
| refined, industrial, bbls., c.l., frt. equald | lb. | .09 | - — |
| bgs., c.l., same basis | lb. | .08½ | - — |
| tanks same basis | lb. | .08 | - — |
| balls, flakes, wholesalers, jobbers, bbls., c.l., same basis | lb. | .11 | - — |
| cs., 50 lbs., c.l., same basis | lb. | .11¼ | - — |
| 1-lb. pkgs., c.l., same basis | lb. | .14 | - — |
| imported, crude, 78°, 100-ton lots | lb. | .03¼ | - — |
| refined, 30,000-lb. lots | lb. | .09¼ | - — |
| smaller lots | lb. | .09¼ | - .10½ |
| Neocinchophen, USP, dms., frt. adjusted | lb. | 7.00 | - 7.35 |
| Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y | ton. | 14.25 | - — |
| pottery, 200 mesh, bulk, Rochester, N. Y. | ton. | 18.25 | - — |
| Nepheline syenite in bgs., $3 per ton higher than bulk. | | | |
| Nerolin, cns. | lb. | 2.05 | - 2.25 |
| Niacin (see Acid, nicotinic). | | | |
| Niacinamide (see Nicotinamide). | | | |
| Nickel acetate, bbls., dlvd. | lb. | .52½ | - .53½ |
| Carbonate, bbls., dlvd. | lb. | .57¼ | - .57¾ |
| Chloride, bbls., dlvd. | lb. | .27 | - .27½ |
| Cyanide, bots., dms. | lb. | 1.75 | - 2.00 |
| Formate, bbls., ton lots, frt. alld. | lb. | .49¾ | - .50¾ |
| Metal, electro cathodes, cs. | lb. | .48 | - — |
| Nitrate, bbls., works | lb. | .26½ | - .27½ |
| Oxide, black, bbls. | lb. | .42 | - — |
| Sulphate, bgs., c.l., dlvd. | lb. | .20 | - — |
| l.c.l., dlvd. | lb. | .20½ | - — |
| Nicotinamide, USP, dms., frt. adjusted | kilo. | 11.00 | -11.30 |
| Hydrochloride, dms., frt. adjusted | kilo. | 10.50 | -10.80 |
| Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., | dm. | 49.40 | - — |
| tins, 10 lbs. dealers, frt. alld. on cases of 6 | tin. | 10.85 | - — |
| Nikethamide, bots., cbys. | lb. | 5.50 | - 6.60 |
| Nitercake, bulk, works | ton. | No stocks. | |
| Nitrobenzene, dbl. dist., dms., c.l | lb. | .09 | - .09½ |
| l.c.l. | lb. | .10 | - .11 |
| tanks | lb. | .08 | - .08½ |
| Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight | lb. | .28 | - — |
| l.c.l., same basis | lb. | .29 | - .31 |
| 18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis | lb. | .30 | - — |
| l.c.l., same basis | lb. | .31 | - .33 |
| spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis | lb. | .32 | - — |
| l.c.l., same basis | lb. | .33 | - .35 |

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

| | | | |
|---|---|---|---|
| Nitroethane, dms., works | lb. | .30 | - — |
| Nitrogen solution, tanks, work., N. | ton. | 115.00 | - — |
| Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton. | | 3.90 | - 4.00 |
| Sewage sludge, bulk, works, unit | ton. | 3.25 | + .40 |
| Nitromethane, dms., l.c.l., works | lb. | .30 | - — |
| Nitropropane, 1, dms., works | lb. | .30 | - — |
| 2, dms., works | lb. | .30 | - — |
| Nonylphenol, dms., c.l., works | lb. | .26 | - — |
| l.c.l., works | lb. | .27 | - — |
| tanks, works | lb. | .25 | - — |
| Nutgalls, Aleppo, bgs | lb. | .28 | - — |
| Chinese, bgs. | lb. | .32 | - — |
| Istrian, bgs. | lb. | .31 | - — |
| Nutmeg, East Indian, broken, limed, bgs. | lb. | .44 | - .44½ |
| whole, shrivels, bgs. | lb. | .45½ | - .46 |
| 110's, cs. | lb. | .47 | - .48 |
| shipment, cs. | lb. | .46 | - .46½ |
| West Indian, bgs. | lb. | .34 | - .35 |
| futures | lb. | .37 | - .38 |
| Nux vomica, bls. | lb. | .10 | - .12 |
| powdered, bbls., bxs. | lb. | .13 | - .14 |

## O

| | | | |
|---|---|---|---|
| Oakbark extract, 25% tannin, bbls., c.l., works | lb. | No stocks | |
| Octane, 100°-140° C, industrial grade, group 3, dms., c.l. | gal. | .19 | - — |
| l.c.l. | gal. | .21 | - .60 |
| tanks | gal. | .15½ | - — |
| 10°C., b.r. Bayonne, N.J., tanks | gal. | .16½ | - — |
| Octanol, normal, tech., dms., c.l., dlvd. | lb. | .34½ | - — |
| l.c.l., dlvd. | lb. | .36½ | - — |
| tanks, dlvd. | lb. | .32 | - — |
| Octyl methacrylate, normal, dms., less than truckload, works. | lb. | .83 | - — |
| Oil, abies siberica, cns. | lb. | 2.35 | - 3.25 |
| Almond, artificial, bitter, (see Benzaldehyde) | | | |
| natural, bitter, F.P.A., bots. | lb. | 3.25 | - 5.00 |
| NF, bots. | lb. | 3.50 | - 3.65 |
| sweet, dms., cns. | lb. | .55 | - .85 |
| Amyris, dms. | lb. | 1.65 | - 1.70 |
| Angelica root, bots. | lb. | 110.00 | -190.00 |
| Seed, bots. | lb. | 100.00 | - — |
| Anilin (see A). | | | |
| Anise, USP, Chinese, dms. | lb. | .93 | - 1.30 |
| Oil, apricot kernels, USP, dms. | lb. | .42½ | - .52 |
| Avocado, cns., dms. | lb. | 1.00 | 1.10 |
| Babassu, crude, tankcars | lb. | .15¾ | - — |
| Bay, NF, Puerto Rican, 50-55%, cns. | lb. | 1.05 | - 1.50 |
| 55-60%, cns. | lb. | 1.20 | - 1.50 |
| West Indian, 50-55%, cns., dms. | lb. | 1.12 | - 1.15 |
| Bergamot, artif., cns. | lb. | 1.50 | - 3.25 |
| natural, Italian, cns. | lb. | 4.30 | - 4.80 |
| Birchtar, crude, cns. | lb. | .80 | - 1.76 |
| rectified, NF, cns. | lb. | 3.95 | - 4.25 |
| Bois de rose, Brazil | lb. | 3.50 | - 3.90 |
| Mexican (see Oil, lignaloe wood). | | | |
| Bone, dms., works | gal. | .65 | - .70 |
| Cajeput, tech., dms. | lb. | 1.85 | - 1.95 |
| redistilled, USP, cns. | lb. | 2.35 | - 4.50 |
| Calamus, cns | lb. | 20.00 | -28.00 |
| Camphor, sassafrassy, dms. | lb. | .25 | - .60 |
| white, dms. | lb. | .22 | - .60 |
| Cananga, native, cns. | lb. | 4.50 | - 4.80 |
| rectified, cns. | lb. | 5.10 | - 6.00 |
| Capsicum (see Capsicum oleoresin). | | | |
| Caraway, NF, cns | lb. | 3.15 | - 4.00 |
| Cardamom, NF, bots. | lb. | 50.00 | -63.00 |
| Cassia, USP, cns | lb. | 2.50 | - 2.85 |
| Castor, blown, dms., c.l | lb. | .21¼ | - — |
| dms., l.c.l. | lb. | .21¾ | - — |
| dehydrated, bodied, dms., c.l | lb. | .23 | - — |
| l.c.l. | lb. | .23½ | - — |
| tanks | lb. | .22 | - — |
| unbodied, dms., c.l. | lb. | .22 | - — |
| l.c.l. | lb. | .22½ | - — |
| tanks | lb. | .21 | - — |
| hydrogenated, dms., c.l., works. | lb. | .27 | - — |
| l.c.l., same basis | lb. | .28 | - — |
| No. 3, tech., dms., c.l. | lb. | .18 | - — |
| l.c.l. | lb. | .18½ | - — |
| tanks | lb. | .17 | - — |
| Oil, castor, sulphonated, 50% (46% fat), dms. | lb. | .12 | - .14 |
| 75% (60-62% fat), dms | lb. | .15¾ | - .16¾ |
| tech., No. 1, Brazilian, tanks | lb. | .16 | - .16¼ |
| USP, standard, dms., c.l. | lb. | .19¼ | - — |
| l.c.l. | lb. | .19¾ | - — |
| tanks | lb. | .18¼ | - — |
| refined and deodorized, dms., c.l. | lb. | .20¾ | - — |
| l.c.l. | lb. | .21½ | - — |
| Cedarleaf, USP, dms | lb. | 1.85 | 2.05 |
| Cedarwood, cns. | lb. | .45 | - .55 |
| dms. | lb. | .32 | .50 |
| Celeryseed, bots. | lb. | 14.00 | -17.50 |
| Chaulmoogra, NF cns., dms. | lb | .55 | .70 |
| Chinawood (see Oil, tung). | | | |
| Cinnamon bark, bots. | lb. | 20.00 | -60.00 |
| Leaf, Ceylon | lb. | 1.35 | - 1.50 |
| Citronella, Ceylon, cns. | lb. | 1.05 | - 1.50 |
| Java-type, cns. | lb. | 1.65 | - 2.10 |
| Clove, USP from buds, cns., dms. | lb. | 1.65 | - 1.95 |
| Coconut, crude, tanks, Atlantic ports | lb. | .13½ | - — |
| Pac. Coast | lb. | .13¾ | - — |
| refined, Cochin type, tax incl., dms., l.c.l | lb. | .20¾ | - — |
| deodorized, tax incl., dms., l.c.l. | lb. | .23 | - — |
| Cod, Newfoundland, dms. | lb. | .08 | - .09 |
| Codliver, USP, dms | gal. | 1.40 | - 1.53 |
| Coriander, bots. | lb. | 19.00 | -25.00 |
| Corn, crude, tanks, works | lb. | .14 | - — |
| foots, acid, 95%, tanks, dlvd. E | lb. | .06 | - — |
| raw, 50%, tanks, dlvd. E | lb. | .02 | - — |
| refined, dms., New York | lb. | .18½ | - .19 |
| tanks, same basis | lb. | .17 | - — |
| Costus, bots. | oz. | 19.00 | - — |




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INTERMEDIATES

The difference between the raw material you have and the end-product you want may be a SHELL INTERMEDIATE

TRY

| | | |
|---|---|---|
| EPI | Epichlorohydrin | $CH_2-CH-CH_2Cl$ (O) |
| GDCH | Glycerol Dichlorohydrin | $CH_2(OH)-CH(Cl)-CH_2Cl$ (70%); $CH_2(Cl)-CH(OH)-CH_2Cl$ (30%) |
| MAC | Methallyl Chloride | $CH_2=C(CH_3)-CH_2Cl$ |
| AA | Allyl Alcohol | $CH_2=CH-CH_2OH$ |
| AC | Allyl Chloride | $CH_2=CH-CH_2Cl$ |
| TCP | Trichloropropane | $CH_2(Cl)-CH(Cl)-CH_2(Cl)$ |

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## Oil, Cottonseed—Oil, White Mineral

Oil cottonseed, crude, tanks, Southeast and Valley lb. .13½- —
foots, acid 95%, tanks, dlvd. E lb. .04¾- —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms lb. .18¼- .18¾
tankcars lb. .17¼- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 6.00 - 7.50
Cumin, bots. lb. 4.25 - 4.50
Cypress, bots. lb.11.00 -15.00
Degras (see D).
Dillseed, bots lb 7.00 - 9.50
Dillweed, bots., dms lb. 5.25 - 6.50
Dip (see D).
Erigeron, cns lb 5.00 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .65 - .98
70-80%, cns. lb. .55 - .83
Fennel, sweet, cns lb. 2.50 - 3.25
Fir, Canada, cns lb. 1.75 - 2.05
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units, dms 1,000,000 units. .10 - .11
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units, dms. 1,000,000 units. .12½- .13½
40,000 to 55,000 A units, dms. 1,000,000 units. .14 - .16
Market prices on crude fishliver oil dependent upon conversion factor.
prime, natural, or concentrate, 100,000 A units. dms., 1,000,000 units. .1674- —
200,000 A units, dms 1,000,000 units. .1767- —

Oil, fishliver, prime, natural or concentrate, 300,000 A units, dms 1,000,000 units. .1900- —
400,000 A units, dms 1,000,000 units. .2090- —
500,000 A units, dms 1,000,000 units. .2185- —
700,000 A units, dms 1,000,000 units. .2280- —
Prices above are based on the USP XIII method of conversion, E x 1894.
100,000 A units, dms 1,000,000 units. .18 - —
200,000 A units, dms 1,000,000 units. .19 - —
300,000 A units, dms 1,000,000 units. .20 - —
400,000 A units, dms 1,000,000 units. .22 - —
500,000 A units, dms 1,000,000 units. .23 - —
700,000 A units, dms 1,000,000 units. .24 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 7.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb.16.00 -19.00
Bourbon, cns lb.18.50 -21.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb.21.00 -23.50
Grapefruit lb. .75 - .90
Grease, No. 1, dms lb. .09¾- .10¼
extra, Winter, strained, dms lb. .11 - .11½
prime, burning, dms lb. .12 - .12½
Guaiacwood, cns lb. 1.75 - 1.90
Hemlock, cns lb. 1.80 - 2.10

Oil, herring, crude, tanks, Pac. coast lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 3.25
twice rectified lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 1.30 - 1.85
Lavender flower, French 30-32% ester, cns lb. 2.15 - 3.25
38-42% ester, cns lb. 3.25 - 4.10
40-42% ester, cns lb. 3.80 - 4.75
Spike, Spanish, cns lb. 1.10 - 1.40
Lemon, USP, Calif., cns lb. 2.85 - 3.25
Messina lb. 2.95 - 5.75
terpeneless, bots. lb.32.00 -65.00
Lemongrass, cns., dms lb. 1.85 - 2.30
Lignaloe, Brazilian (see Oil, bois de rose).
Messina lb. 2.75 - 5.75
Lime, distilled, Mexican, cns lb. 6.00 - 7.00
West Indian, cns lb. 6.50 - 7.25
expressed, West Indian, cns. lb.11.25 -13.50
terpeneless bot lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1890- .1910
l.c.l. lb. .1970- .2010
tankcars lb. .1770- .1790
tankwagon lb. .1800- .1820
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms lb. 3.25 - 4.00
Mandarin, Floridian, dms lb. 1.60 - 1.75
Italian, cns. lb. 3.85 - 8.50
Menhaden, crude, tanks, Balto. lb. .06 Nom.
refined, alkali, dms lb. .1330- —
kettle-bodied, dms. lb. .1480- —
light-pressed, dms. lb. .1230- —
tanks lb. .1050- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms lb. .22½- .23
synthetic, cns., dms lb. 1.40 - 1.70

Oil, neatsfoot, 15°, dms lb. .23 - .23½
20°, dms. lb 27 - .27½
30°, dms. lb. .25 - .26
Neroli, NF, French, bots lb.145.00 -195.00
Haitian, bots lb.85.00 -90.00
Niaouli, cns lb. 2.15 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 3.15 - 3.65
West Indian, cns., dms lb. 3.15 - 3.60
Ocotea cymbarum, dms lb. .67 - .95
Oiticica, liquid, drums lb. .19½- .20
tankcars lb. .18½- —
Oleo, extra, dms lb. .12½- .13
Olibanum, bots lb. 5.50 - 7.65
extra fine, bots lb. 6.25 - 8.50
Olive, commercial, dms gal. 1.65 - 1.75
edible, dms., duty paid gal. 1.90 - 2.10
foots, dms. lb. .13½- .13¾
Orange, sweet, dist., cns lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns. lb. .60 - 1.00
Florida, cns., dms lb. .40 - 1.00
Messina, coppers lb. 2.85 - 5.50
West Indian, cns lb. 2.00 - 2.50
sesquiterpeneless, bots lb.35.00 -95.00
Origanum, Spanish, cs lb. 2.25 - 2.75
Palm, Congo, dms lb. .1335- —
tankcars lb. No stocks.
Palmarosa, cns lb. 7.25 - 8.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis, at 100° F. tanks, East Coast refinery gal. .11½ —
Patchouli, dms lb.22.00 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .13¾- —
refined, dms. lb. .18 - .18½
tanks, New York lb. .16½- .16¾
Pennyroyal, USP, dom., cns lb. No stocks.
imported, cns. lb. 4.35 - 4.75
Peppermint, natural, dms lb. 6.05 - 7.25
redist., USP, dms lb. 6.45 - 7.65
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 1.85 - 2.40
Pimento berry, NF, dms lb. 3.65 - 6.00
leaf, cns lb. 1.35 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - —
l.c.l., works, South gal. .61 - —
ex whse., N. Y. C gal. .72 - —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .15¼- —
Red, saponified, dms lb. .12½- .13½
tanks lb. .11 - —
single dist., dms lb. .13¼- .14¼
tanks lb. .11¾- —
double dist., dms lb. .15¾- .16¾
tanks lb. .14½- —
Rice bran, clarif., dms lb. .14 - .14½
tanks lb. .12½- .13½
Rose, natural, Bulgarian, bots oz.23.00 -56.00
Rosemary, Spanish, tech., cns., dms lb. .79 - 1.50
USP, cns., dms lb. .90 - 1.30
Rue, bots lb. 2.75 - 3.50
Safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1550 Nom.
Sage, clary, bots lb.13.50 -22.00
Dalmatian, cns. lb. 6.50 - 7.00
Spanish, cns. lb. .95 - 3.50
Sandalwood, NF, cns lb.11.50 -12.50
Sardine, crude, tanks, Pac. coast. lb. .06½- —
refined, alkali, dms lb. .1330- —
kettle-bodied, dms. lb. .1480- —
light-pressed, dms lb. .1230- —
tanks lb. .1050- —
Sassafras, artificial lb. .48 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms lb. 1.75 - 2.30
Savin, cns lb. 2.75 - 3.00
Savory, cns lb. 8.00 —
Seal, 2% acid, duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. lb. .31 - —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. 19 - —
Snakeroot, Canada, cns lb.18.75 -25.00
Soybean, crude, tanks, mills lb. .12½- —
foots, acid, 95%, tanks, dlvd. E lb. .06¾- .07
raw, 50%, tanks, dlvd. E lb. .03 - —
refined, alkali, dms., c.l. lb. .1660- —
l.c.l. lb. .1720- .1760
tanks lb. .1540- —
clarified, dms., c.l. lb. .1565- —
l.c.l. lb. .1630- .1690
tanks lb. .1450- —
edible, dms lb. .1675- .1725
tanks lb. .1525- —
Spearmint, USP, dms lb. 3.25 - 3.40
Sperm, bleached, winter, 45°, dms lb. .1520- .1570
tankcars lb. .1420- —
natural, winter, 45°, dms lb. .14 - .1470
tankcars lb. .13 - —
Spruce, cns., dms lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.50 - 8.00
Southern, cns. lb. 1.85 - 3.65
Tall, crude, tanks, works ton.40.00 - —
refined, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms lb. .10 - .10½
Tansy, dms lb. 8.10 - 9.00
Tar, pine, comL, dms., incl., c.l., works, South lb. .045 - —
l.c.l., works, South lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 - —
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.65 - 2.85
white, cns lb. 1.85 - 3.25
technical, white, cns lb. .40 - 5.00
Tung, dom., tanks, mills lb. .24 Nom.
imported, dms., c.l. lb. .24 - —
l.c.l. lb. .24½- —
tanks lb. .23 - —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .21 - .35
Vetiver, Bourbon, cns lb.12.90 -15.25
Haitian, cns. lb.10.00 14.00
Java, cns lb.16.00 - —
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb No stocks.
Wheat germ, 5-gal. dms gal.10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .43 - —
l.c.l., same basis gal. .48 - —
65-75 vis., dms., same basis, gal. .44 - —
l.c.l., same basis gal. .49 - —
USP, 80-90 vis., dms., c.l., same basis gal. .45 - —
125-135 vis., dms., c.l., same basis gal. .53 - —
l.c.l., same basis gal. .58 - —
145-155 vis., dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .65 - —

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Oil, white mineral, USP, 175-185 vis., dms., c.l., same basis..gal. .62 - —
l.c.l., same basis....gal. .67 - —
200-210 vis., dms., c.l., same basis gal. .65 - —
l.c.l., same basis....gal. .70 - —
335-345 vis., dms., c.l., same basis gal. .69½- —
l.c.l., same basis....gal. .74½- —
Wintergreen, USP, nat., Northern, cns. lb. 7.10 -18.00
Southern, cns..... lb. 3.75 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil tung).
Wormseed, NF, cns..... lb. 4.00 - 4.50
Wormwood, cns..... lb. 6.70 - 7.00
Ylang-ylang, Bourbon, bots....lb.12.75 - —
extra, bots..... lb. No prices.
Madagascar, bots..... lb. No prices.
Olein crude (see Oil red).
white, low titre, dms..... lb. .15¾- .16¾
tankcars..... lb. .14¼- —
Oleostearin, bbls..... lb. .09¼- —
Olivine, aggregate, c.l., mines ton 7.00 9.50
crushed, 8 mesh, bulk, c.l. works. ton.10.00 —
paper bgs., c.l., works...ton.12.00 - —
Opium, USP, cns..... lb.19 20 -19 45
gran., USP, cns..... lb.21.65 -21.90
powd., USP cns..... lb.21 65 -21.90
Orange cadmium lithopone bbls. frt. alld. E. of Rockies..lb. 1.20 - —
Chrome, CP bbls., dlvd N. of Tenn. and N. C. E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island St. Louis St. Paul lb. .23 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn. Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Chrome dinitroanilin toner....lb. 1.13 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld..lb. .1810- —
Molybdate..... lb. .40 - —
Persian, bbls..... lb. .30 - .45
Orange flowers, bls..... lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls..... lb. .13 - .17
Oregano, Mexican, bgs..... lb. .15 - .15½
Portuguese, bgs..... lb. .17 - .17½
Sicilian, bgs..... lb. .15½- .16
Orris root, Florentine, bls..... lb. .18 - .20
powdered, bbls., bxs..... lb. .23 - .24
Verona, bls..... lb. .13 - .14
powdered, bbls., bxs..... lb. .18 - .19
Orthoaminobiphenyl, dms., c.l., works, lb. .32½- —
l.c.l., same basis..... lb. .33 - —
tanks, same basis..... lb. .31 - —
Orthoanisidin, bbls..... lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots..... lb. .70 - —
Orthochloroparanitroanilin, dms., divd..lb. .67 - —
Orthochlorophenol, dms., c.l., frt. equald..lb. .29 - —
l.c.l., same basis..... lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt equald. lb. .1930- .2405
l.c.l., same basis lb. .1960- .2435
ret. dms., c.l., same basis lb. .1900- —
l.c.l., same basis lb. .1930- —
29° C, non-ret. dms., c.l., same basis lb. .1930- .2305
l.c.l., same basis lb. .1860- .2335
ret. dms., c.l., same basis lb. .1900- —
l.c.l., same basis lb. .1830- —
24-29° C, non-ret, dms., c.l., same basis..lb. .168 - —
l.c.l., same basis..... lb. .171 - —
tanks, same basis..... lb. .155 - —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .09¼- —
l.c.l., same basis..... lb. .10¼- —
tanks, same basis..... lb. .07¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l.... lb. .29 - —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin, dms..... lb. .50 - .52
Orthonitrochlorobenzene, dms....lb. .18 - .19
Orthonitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works..... lb. .15 - —
tanks, works..... lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrotoluene, dms., c.l., works. lb. .08 - —
l.c.l., works..... lb. .09 - —
tanks, works..... lb. .07 - —
Orthophenetidin, dms., works....lb. .90 - —
Orthotoluidin, dms., c.l., works...lb. .19 - —
l.c.l., same basis..... lb. .20 - —
tanks, same basis..... lb. .18 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, bots..... gram. 3.00 - 4.00
Ox gall, conc., gran., 6lb. dms., 5 lbs. and up..... lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works. lb. 4.25 - —
smaller lots, works..... lb. 4.40 - 4.51

## P

Pancreas substance, assay 1:75...lb. 5.75 - 6.25
Pancreatin, USP..... lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo 90.00 - —
Papain, powd., NF, cs..... lb. 2.10 - 2.70
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 —
smaller lots..... oz. 5.05 5.20
Sulphate, cns..... oz. 7.10 7.35
Paprika, Chilean, bgs..... lb. .29½- .30
Portuguese, bgs..... lb. .39 - .40
Spanish, bgs..... lb. .44 - .50
Para-anisidin, dms, works..... lb .80 —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted..lb.17.50 -21.00
Parachlorophenol, dms., c.l., frt. equald..lb. .29 - —
l.c.l., same basis..... lb. .30 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, frt. alld. dms lb. .63 - —
Paracresol, 98%, dms., dlvd....lb. .50 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities..... gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb. lots. lb. .43 - —
Paradichlorobenzene, dms., c.l., works..lb. .12 - —
l.c.l., same basis..... lb. .14 - —
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y. lb. .0635- —
Paraffin fully refined, 125-127 ASTM, loose, c.l., ref'd..... lb. .0635- —
128-130 ASTM, loose, c.l., ref'y lb. .0640- —
130-132 ASTM, loose, c.l., refy. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y. lb. .0660- —
135-137 ASTM, loose, c.l., ref'y lb. .0795- —

Paraffin prices in bgs and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs. 3.7c. per lb. higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y...lb. .15½- .16¾
10,000 lbs. to c.l., same basis. lb. .16½- .16¾
1,000-9,999 lbs., same basis. lb. .17½- .17¾
less than 1,000 lbs., same basis lb. .19¼- .19½
94-95%, powd., dms., c.l., works. lb. .13 - —
10,000 lbs. to c.l., same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same basis lb. .17 - —
91-92% flake, fib. dms., c.l., works. lb. .11 - —
10,000 lbs. to c.l., same basis. lb. .12 - —
1,000-9,999 lbs., same basis. lb. .13 - —
less than 1,000 lbs., same basis. lb. .15 - —

Quotations on 91-92% flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

## Oil, White Mineral, USP, 175-185 Vis.—Pepper, Red, Haitian

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½ .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works..... lb. .10½- —
USP cbys..... lb .51 53
Paranitroanilin, kgs., works.... lb. .46½- —
Paranitrochlorobenzene, kgs. works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb 40 - —
Paranitrotoluene, kgs., works. lb. .30 - —
Paraphenetidin, dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .30½- —
l.c.l., same basis..... lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.00 - —
technical, refined, dms., same basis lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald lb .21 - —
l.c.l., same basis..... lb. .22 - —
Parthion, spray powder, 15% tins, dealers lb. .72 - —
tech., dms., works..... lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. 70 - —
Paratoluidin, bbls., works lb. .55 - —
Paretra brava root, whole, bgs....lb. .30 - .31
ground, bxs..... lb. .35 - .37
powder, bxs..... lb. .38 - .40
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over..lb. .33 - .37
l.c.l., same basis..... lb. .34 - .66
Passion flower herb, bls..... lb. .35 - .40
Patchouli leaves, bls..... lb. No stocks.
Peanut meal, 45%, sacked, mills. ton.77.00 - —
Pectin, citrous, NF, powd., bbls lb. 2.05 2.06
tech., powd., bbls..... lb. 1.42 1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units..... vl. .15½- —
500,000 units..... vl .28 - —
1,000,000 units..... vl. .52 - —
2,000,000 units..... vl 1.00 - —
bulk, sterile, over 25,000,000,-000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,-000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,-000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units. vl. .10¾- —
200,000 units..... vl. .16 - —
500,000 units..... vl. .30½- —
1,000,000 units..... vl. .57 - —
2,000,000 units..... vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls..... lb. .40 .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 —
l.c.l., same basis..... lb. .23 .28
truckload, 20,000 lbs., min., same basis lb. .20¼ —
Pentaerythritol, tech., bgs. c.l., works lb 29 —
l.c.l., works..... lb 31 33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, group 3 gal .10½- 11¼
Pepper, black..... lb. 1.14 - 1.16
July-Aug. shipment, bgs..... lb. 1.10 - 1.13
Red, Carolina, longs, bgs..... lb. .38 - .39
Oct.-Nov. delivery, bgs.... lb. .36 .37
Ethiopian, stemless, bgs.... lb. .32½- .33
Haitian, bgs..... lb. .53 - .54

3 GOOD REASONS WHY IT ALWAYS PAYS TO USE JAVONELLA

- It's a manufactured article . . . free from the price fluctuations of natural essential oils such as Citronella, Sassafras, etc.
- Its high quality never varies, enabling you to manufacture uniformly dependable products.
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WRITE FOR SAMPLE AND QUOTATION

AROMATIC CHEMICALS • ESSENTIAL OILS • PERFUME OILS • FLAVORS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.

BRANCHES IN BOSTON • PHILADELPHIA • LOS ANGELES
ST. LOUIS • CHICAGO • DALLAS • MONTREAL • TORONTO

## Pepper, Red, Hontaka—Pyrocatechin

Pepper, red, Hontaka, bgs lb. .56 - .57
Louisiana longs, bgs lb. .36 - .36½
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .39 - .40
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .45 - .46
Sudanese, small, bgs lb. .43 - .44
Turkish, bgs lb. .24 - .25
White, bgs lb. 2.10 - 2.11
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .80 - .90
Pepsin, NF, bulk containers lb. 3.90 —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¼- —
t.c.l., same basis lb. .11 - —
tanks, same basis lb. .09¾- —
dms., c.l., zone 1, works, frt. alld lb. .11 - —
zone 2, same basis lb. .11½- —
zone 3, same basis lb. .12 —
zone 4, same basis lb. .11½- —
Perchloroethylene, dms., l.c.l., zone 1, same basis lb. .11¾- —
zone 2, same basis lb. .12¼- —
zone 3, same basis lb. .12¾- —
zone 4, same basis lb. .12¼- —
tanks, zone 1, same basis lb. .10½- —
zone 2, same basis lb. .11 —
zone 3, same basis lb. .11½ —
zone 4, same basis lb. .11 - —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb. N. D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.
Peru balsam, dms lb. .87 - 1.10
Petrolatum, USP, amber, dms., c.l., New York lb. .04⅝- .04⅞
t.c.l., same basis lb. .05½- .05¾
cream, dms., c.l., same basis lb. .05¾- .06⅛
t.c.l., same basis lb. .07 - .08
extra amber, dms., c.l., same basis lb. .04⅞- .05¼
t.c.l., same basis lb. .05¾- .06
white lily, dms., c.l., same basis lb. .06 - .06⅞
t.c.l., same basis lb. .07¼ - .08¼
snow, dms., c.l., same basis lb. .06½- .07⅛
t.c.l., same basis lb. .07½- .08⅛
soft, dms., c.l., same basis lb. .06¼- .06⅜
t.c.l., same basis lb. .07¼- .07½
yellow, soft, dms., c.l., same basis lb. .04⅞- .05
t.c.l., same basis lb. .05⅛- .05⅞
Petroleum, crude bulk, at wells, California bbl 1.10 - 2.99
Illinois bbl 2.44 - 2.87
Kentucky bbl 2.42 - 2.83
Louisiana-Arkansas bbl 2.08 - 2.90
Montana bbl 1.28 - 2.775
Oklahoma-Kansas bbl 2.16 - 2.65
Pennsylvania lower field bbl 3.75 - —
Upper field bbl 2.85 - 3.64
Texas, East bbl 2.65 —
Gulf coast bbl 2.38 - 2.95
North, North-Central bbl 2.23 - 2.65
Panhandle bbl 2.23 - 2.65
West bbl 2.10 - 2.65
Wyoming bbl 1.28 - 2.875
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
t.c.l., same basis gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
t.c.l., same basis gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
t.c.l., same basis gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.25 - 1.55
light, tanks, refinery bbl. 1.85 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.08 - —
Boston, Mass. bbl. 2.10 - —
Charleston, S. C. bbl. 2.03 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.08 - —
Philadelphia, Pa. bbl. 2.08 - —
Portland, Me bbl. 2.13 - —
Providence, R. I. bbl. 2.075 - —
Savannah, Ga. bbl. 2.03 - —
Diesel, tanks, refinery, California, gal. .075 - .115
Pennsylvania gal. .0875- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .08 - .08625
No. 1, straw gal. .08 - .08625
No. 2, straw gal. .07375- .085
range gal. .08 - .0875
Pennsylvania, western, No. 1 gal. .095 - .09625
No. 2 gal. .09 - .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F. b.r., tanks, ex tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16½- —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type tanks, refinery gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .152 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14½- —
group 3, tanks gal. .10375- —
tankwagon, Baltimore gal. .18 - —
Boston gal. .16½- —
Buffalo gal. .17 - —
Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
Providence gal. .17 - —
Rochester gal. .18½- —
Syracuse gal. .19½- —
Washington, D. C. gal. .18 - —

Petroleum naphtha, cleaners, East Coast, tanks, N. J., N.Y., refinery gal. .14½- —
Group 3, tanks gal. .11375- —
tankwagon, Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14½- —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .20 - .21
25-26° C., m.a.p., tanks, same basis gal. .19½- .24
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .23½- —
49° C., m.a.p., tanks, same basis gal. .26½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .25½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .27
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .29 - —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C., m.a.p., tanks, same basis gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks same basis gal. .24¾- .27
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½- —
V.M.&P., ref'y, California, 245-360 b.r., Los Angeles gal. .147 - —
Portland, Ore gal .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 —
East coast, N. J., N. Y., tanks gal. .15½- —
Group 3, tanks gal. .11375- .11625
tankwagon, Boston gal. .16 - —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15½- —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .14½- —
Group 3, tanks gal. .10875 - —
tankwagon, Boston gal. .16½- —
Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14½- —
Pittsburgh gal. .175 - —
Syracuse gal. .19½- —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works. lb. .1715- —
t.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
t.c.l., works lb. .1400- —
tanks, works lb .1175- —
Phenobarbital, USP dms. 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb 4.00 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1450- —
t.c.l., same basis lb. .1525- —
tanks, same basis lb. .1275- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1450- —
t.c.l., same basis lb. .1525- —
tanks, same basis lb. .1275- —
USP, synthetic, dms., c.l., same basis lb. .15¼- —
t.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
tar distilled, dms., c.l., same basis lb. .15¼- —
t.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots lb. 1.02 1.07
Phenothiazin, NF, fib. dms., 10,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.45 - 2.70
100%, bots. lb 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms. lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ —
t.c.l., works lb. .35 - .36⅛
Phenylethanolamine, dms., c.l., works lb. .67½- —
t.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots. lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works. lb. 13.75 -15.75
commercial fib. dms., works lb. 5.50 - 7.00
tech., fib. dms., works lb. 9.65 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% $P_2O_5$ minimum short ton. 4.93 - —
68%, b.p.l., basis 31% $P_2O_5$ minimum short ton. 5.28 - —
70%, b.p.l., basis 32% $P_2O_5$ minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% $P_2O_5$ long ton. 6.45 - —
30-29% $P_2O_5$ long ton. 7.21 - —

Phosphorus, red, amorpnous, cs lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - .13
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .18½- —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.20 - —
Pimento, Jamaica, bgs lb. .20¾- —
Pinetar, retort dms., incl., c.l., works, South lb. .045 - —
t.c.l., same basis lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 — —
Pinkroot, bls. lb 1.55 - 1.65
Piperidine, 95% dms., frt. equald. lb. 1.65 - —
98% dms., same basis lb. 1.75 - —
Piperidine, 95%, dms., frt. equald.
Pipsissewa herb (see Princes's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C. 100 lbs. 8.08 - —
5 to 19 dms., works, South 100 lbs. 7.36 - —
whse., N. Y. C. 100 lbs. 8.28 - —
1 to 4 dms., works, South 100 lbs. 7.61 - —
whse., N. Y. C. 100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 - —
t.c.l., works ton. 36.00 -37.00
Cottonseed, dms., works lb. .05 - .07
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas)
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works lb. .04½- .05
Plaster of paris (see Gypsum)
Platinum metal, works oz. 66.00 -69.00
Pokeroot, bls lb 13 14
Pleurisy root, bls lb .25 - .26
Podophyllin, NF dms lb. 12.45 - —
Polystyrene, colors, special, bgs., over 30,000 lbs., frt alld lb. .30 - .31
20,000-29,999 lbs. same basis lb. .31 - .31½
10,000-19,999 lbs. same basis lb. .31½- .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs. same basis lb. .31 - —
10,000-19,999 lbs., same basis. lb. .31½- —
200-9,999 lbs., same basis lb. .31½- —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs. same basis lb. .28 - —
10,000-19,999 lbs. same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb higher.
Pomegranate root bark, bgs lb. .68 - 70
Poppy flowers, bls lb. .50 - 1.05
Seed, Czech, bgs lb. .14 - .14½
Dutch, bgs. lb. .14 - .16
Polish, bgs. lb. .14 - .14½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
t.c.l., works 100 lbs. 10.50 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.525 - —
t.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.15 - —
t.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815- —
t.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works. lb. .03725- —
t.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works. lb. .0755- —
t.c.l. works lb. .0830- —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., works lb. .13¼- .14¼
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200-lb. lots lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
t.c.l., same basis lb. .0855- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., t.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., dms., c.l., works. lb. .089 - —
t.c.l., works lb. .0915-.1015
powd., dms., c.l., works lb. .094 - —
l.c.l., works lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms. lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 - —
Gluconate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic), USP, pellets, jars lb. .33 - —

Potassium hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.98
Manure salt, 22% $K_2O$, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60%, $R_2O$, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½- —
Permanganate, tech., dms., works, lb. .21¾ .22¾
USP, dms., works lb. .23½- .24
ex whse lb. .29 —
Persulphate, dms., c.l., works lb. .17 - —
t.c.l., works lb .21 —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., wks ton. 200.00 - —
t.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
t.c.l. 5 or more works. 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works. 100 lbs. 4.75 - —
t.c.l. 5 or more, works. 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works 100 lbs. 5.75 - —
t.c.l., 5 or more, works 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb .07 .08
Sulphate, agricultural, dom., bulk, basis 90-95% $K_2SO_4$, min., 90% works ton. 34.50 - —
NF, cryst., bbls. lb .31 .33
gran., dms lb .13½- —
powder, dms lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms lb. .75 - .81
tech., works lb. .45 .50
Titanate, cns., c.l., works lb. .12 —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, min., 40% $K_2SO_4$, 18-50% MGO, works ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 —
t.c.l., works lb. .52½- .55
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot, 1,000 lb. lots lb. 4.50 - —
smaller lots lb. 4.00 5.00
Progesterone, USP, 100 gms gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .02¼- —
Propionaldehyde, dms., c.l., works lb. .28½- —
t.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP dms lb. 2.30 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
t.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½- —
t.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16½- —
Propyleneglycol, NF, dms., c.l., frt. alld. E lb. .17½- —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 —
tech., dms., c.l., frt. alld. E lb. .16½- —
t.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Propyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots lb. 55.10 -55.30
Psyllium seed, black, bgs lb. .18 - .20
blonde, bgs. lb. .16 - .18
husks, bgs lb. .45 - .47
Pulsatilla herb, bls lb. .45 - .50
Pumice, dom., grd., course, 0, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅞- .04⅛
Italian, silk-screen, coarse bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls is ½c. per lb higher.
Pumpkin seed, bgs. lb. .18 - .28
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works. gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works. gal. 14.15 - —
regular base, dms., works. gal. 14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l. gal. 2.00 - 2.69
t.c.l. gal. 2.00 - 2.72
refd., 2°, non-ret. dms., c.l., same basis lb. .79½- —
t.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatchin (see Catechol).

Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l., mines ton.12.00 -12.50
325 mesh, bulk, c.l., mines ton.15.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade, 140 mesh, bgs., c.l., mines ton.10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., divd lb. 9.54 - —

## Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08½- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask.70.00 - —
smaller lots flask.73.00 -75.00
Quince seed, bgs lb. .90 - 1.50
Quinidine, NF V, cryst., cns oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .73 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs oz. .76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP, cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., works lb. .50¾- —
l.c.l., works lb. .51¼- —
tanks, works lb. .50 - —

## R

R salt, paste, dry basis, dms. lb .70 - .75
Raspberries, dried, bbls lb. 1.60 - 1.70
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.43 - 2.25
Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, divd. Pacific coast prices equaled with Chicago, divd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.65 - —
light shade, bbls., same basis, lb. 3.50 - —
medium shade, bbls., same basis lb. 3.60 - —
medium-light shade, bbls., same basis lb. 3.55 - —
orange shade, bbls., same basis lb. 3.15 - —
lithopone, deep shade, bbls., same basis lb. 1.45 - —
light shade, bbls., same basis lb. 1.30 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.40 - —
medium-light shade, bbls., same basis lb. 1.35 - —
orange-red shade, bbls., same basis lb. 1.25 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¾- .11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. .60 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .65½- .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNP, toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .69½- .80
chlorinated, kgs lb. .93 1.05
concentrated alizarin lake, kgs., works lb .80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 - .28
Purple lake, kegs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Red, Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works lb. 1.01 - 1.30
Turkey, bbls., works lb .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, bbls., ogs., works lb. .05¾- —
20% bgs., works lb. .0360- —
25% bgs., works lb. .0410- —
30% bgs., works lb. .0440- —
35% bgs., works lb. .0465- —
40% bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib dms lb. 2.19 - 2.21
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb. .74 - —
l.c.l., works lb. .75 - —
USP, cryst., dms., works lb. 2.50 - —
powd., dms., works lb 2.70 - —
Monoacetate, NF, dms lb 3.25 - 3.45
Rhatany root, bgs lb. .13 - .16
Rhubarb root, China, whole, cs lb. .80 - .90
powd., bbls lb. .90 - 1.00
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin, USP, bots., divd kilo.125.00 - —
Readily soluble, bots., divd kilo.125.00 - —
Rice bran concentrate, dms, Cedar-town, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½- —
smaller lots .28 - .33
Rose flowers, pale, bls lb. .35 - .40
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .06½- .07
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 4.60 - —
G, H, I, dms., c.l., works 100 lbs. 5.00 - —
K, dms., c.l., works 100 lbs. 5.00 - —
M, dms., c.l., works 100 lbs. 5.00 - —
N, dms., c.l., works 100 lbs. 5.05 - —
WG, dms., c.l., works 100 lbs. 5.05 - —
WW, dms., c.l., works 100 lbs. 5.10 - —
X, dms., c.l., works 100 lbs. 5.20 - —
Rotenone, CP, bbls., works lb.20.00 - —
tech., works lb.16.50 - —
Rottenstone, bgs., c.l., mines ton.38.00 - —
l.c.l., mines ton.43.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib, dms gram. .03½- .04½
smaller lots, fib, dms gram. .04 - .05
Ryania, 100% powd., bgs., works lb. .20 - —

## S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb. .40 - —
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.53 - —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls lb. .73 - .80

### Pyrophyllite—Saponin

Saffron, Mexican, bls lb. .90 1.00
Spanish, USP, tins lb.17.00 -18.00
Safrol, dms lb. .85 - 1.10
Sage, Cyprus, bales lb. .12 - .13
Dalmatian, bls lb. 1.10 - 1.15
Greek, fancy, bls lb. .22 - .23
Spanish, bls lb. .10 - .10¼
Syrian, bls lb. .22 - .22½
Sago flour, bgs lb. .06¾- .07
Saligenin, ctns lb.14.00 -25.00
Salol, NF, gran., bbls., kgs lb. 1.00 —
fib, dms lb. 1.02 1.09
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l. 100 lbs. .88 —
l.c.l. 100 lbs. 1.19 1.22
paper bgs., c.l. 100 lbs. .68 —
l.c.l. 100 lbs. 1.09 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. .93 1.08
l.c.l., divd. 100 lbs. 1.20 1.33
Saltcake, dom., bulk, divd, 100% Na2SO4 basis ton.22.00 - —
Saltpeter, cryst., bbls., 10 tons, 100 lbs.13.90 - —
smaller lots 100 lbs.14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs.10.50 -11.00
powd., bbls., 20 tons 100 lbs.10.25 - —
smaller lots 100 lbs.11.50 -12.00
NF, gran., dms lb. .15¾- .17¼
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 .76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin, NF, cryst., powd., cns. kilo. No stocks.
Saponin, No. 1, cns lb. 2.45 —


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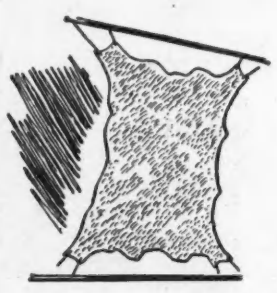
## Sarsaparilla Root—Sodium Para-aminosalicylate

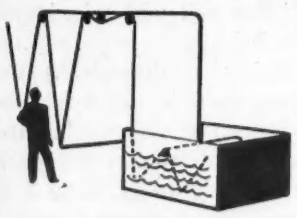
Sarsaparilla root, dom., bls. lb. .30 - .40
Honduras, bls. lb. .40 - .45
Mexican, bls. lb. .28 - .30
Sassafras bark, ord., bls. lb. .35 - .40
select, bls lb. .50 - .55
Savory, French, bls. lb. .10 - .10½
Spanish, bls. lyb. .10 - .10½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns. lb. 1.95 - 2.20
powd., cns. lb. 2.05 - 2.30
Root, bgs lb. .11 - .14
Schaeffer's salt, bgs lb. .66 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots lb. .26¼- —
dms., 100 lbs. or less lb. .27¼- .31¼
Selenium, powd. cns. 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.55 - 1.65
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls. lb. .17 - .24
No. 2, bls. lb. .14 - .19
No. 3, bls lb. .10 - .11
Pods, bls. lb. .12 - .15
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls. lb. 2.20 Nom.
Sesame seed, Chinese, white, nat., bgs lb. .11 - .11⅛
hulled, bgs lb. .17½- .18
Nicaragua, hulled lb. .20 - .24
natural, bgs. lb. .12 - .12¼
Salvadorean lb. .13 - .13½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46½- —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .49 - —
Shellac, bleached, refined, bgs., 1,500-lb. lots lb. .56½- —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .40 - .41
No. 2, bgs lb. .37 - .39
Superfine, bgs., 10 bgs lb. .36 - .37
TN, bgs., 10 bgs lb. .34 - .35
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., lll. works ton 20.00 -30.00
t.c.l., works ton 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton 20.00 • —
t.c.l., works ton 25.00 • —
140 mesh, bgs., c.l., works ton 12.00 • —
t.c.l., works ton 17.00 • —
Tetrachloride, tech., dms., c.l. works lb. .14½- —
t.c.l., works lb. .18½- .20½
Silver bullion, ingots, cs oz. .72¾- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .68¾- —
1,000-oz. lots oz. .66¾- —
500-oz. lots ob. .66½- —
100-oz. lots oz. .67½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots oz. .47¾- —
500-oz. lots oz. .48½- —
250-oz. lots oz. .48¾- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 • —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 • —
Simaruba bark, bls. lb. .85 Nom.
Skullcap herb, Eastern, bls. lb. .60 - .63
Western, bls. lb. .30 - .35
Skunk cabbage root, bls lb. .30 - .35
Slate flour, bgs., c.l., works ton 11.00 -12.00
t.c.l., ex whse ton 20.00 -60.00
Sloe berries, bgs lb. .32 - .35
Smalt, black, ctns lb. .11½- —
Blue, ctns. lb. .15½- —
Snakeroot, Canada, bls. lb. .40 - .45
Soapbark, bls lb. .22 - .23
crushed, bls., bbls lb. .26 - .28
cut, foreign, bbls lb. .25 - .26
powd., bbls. lb. .27 - .28
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
t.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.00 - —
t.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.10 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.25 - —
t.c.l., stock points 100 lbs. 2.65 - 4.42
bbls., c.l. works 100 lbs. 1.90 - —
t.c.l., stock points 100 lbs 3.15 - 4.92
bulk, c.l., works 100 lbs. 1.00 - —
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - 3.60
t.c.l. stock points 100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 - 2.50
70% sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - 3.20
t.c.l., stock points 100 lbs 4.40 - 6.27
Sal, bgs., c.l., ex car 100 lbs. 1.58 - —
l.c.l., bgs., ex whse 100 lbs. 1.78 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11⅛
NF, cryst., bbls., works lb. .16 - —
powder, bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .23¼- —
t.c.l., dlvd. lb. .24¼- —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works gal. .60 - 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
t.c.l., works 100 lbs 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
t.c.l., works 100 lbs 2.60 - —
Bichromate, bgs., works lb. .09¾- .10¾
Sodium bichromate, in drums, ¾c. higher
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
t.c.l., same basis lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
t.c.l., works 100 lbs 2.90 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 - —
t.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
t.c.l., works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
t.c.l., works 100 lbs. 1.50 - —
Carbonate, anhydrous (see Soda ash), crystalline, decahydrate (see Soda, sal), monohydrated, bgs., c.l., works 100 lbs. 2.55 - —
t.c.l., works 100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
t.c.l., works lb. .08¼- —
powd., kgs., works lb. .09½- —
Chloride, tech. (see Salt).
USP, dms lb. .21 - —
Chlorite, tech., dms., works lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
t.c.l., dms., works lb. .21 - .22
Chromate, dms., works lb. .11½- .12⅛
Citrate, anhyd, dms. lb. .60 - .65
USP VIII, dms lb. .21½- .26⅛
USP XIII, gran., dms lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works lb. 1.25 - —
Cyanide, 96-98%, dms. lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11⅛- .12⅛
anhydrous, dms., works lb. .14 - .15⅛
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
t.c.l., works lb. .10¾- .11
95%, bbls., c.l., works lb. .10¾- —
t.c.l., works lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
tribasic, ton lots lb. 11.00 - —
Formate, bgs. c.l., dlvd. 100 lbs. 7.10 - —
t.c.l. 100 lbs. 8.15 - —
Gluconate, dms. lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd. lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys. lb. 96 - 1.06
Hydride, dms., works lb. 2.00 - 3.00
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
t.c.l., frt alld lb. .21½- .23⅛
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb .23 - —
Hypophosphite, NF, ton lots and less, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
t.c.l., same basis 100 lbs. 4.10 - —
gran., bgs., c.l., metro area 100 lbs. 4.00 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works, lb. .13 - .14
Metaborate, octa-hydrate, gran., bgs., c.l., works ton 70.00 - —
t.c.l., works ton 118.00 -123.00
tetrahydrate, c.l., bbls., works. ton 184.50 —
Sodium metaborate in bbls., $20 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms., works lb. .17 - .18
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 - —
t.c.l., dms., works 100 lbs. 5.75 - —
pentahydrate, bgs., c.l., works. 100 lbs. 3.25 - —
t.c.l., bgs., works 100 lbs. 4.60 - —
bbls., c.l., works 100 lbs. 3.65 - —
t.c.l., bbls., works 100 lbs. 5.00 - —
Molybdate, anhyd., works lb. .54 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .60 - .66
Nitrate, crude, dom., bgs., c.l., works ton 48.50 - —
bulk, c.l., works lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse. ton 51.50 - —
bulk, c.l., same basis ton 48.00 - —
USP, dms lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾- — 
West coast ports 100 lbs. 8.00 8.05
t.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
t.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
t.c.l., works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 - —
smaller lots lb. 5.30 - 6.25


# Dow Serves American Industry

## SODIUM SULFIDE



*Sodium Sulfide is used as a depilatory in the dehairing of hides and for recovery of wool from hides.*



*In the textile industry sodium sulfide finds application in cleaning textile fabrics and applying sulfur dyes.*

In addition to the leather aud textile industries, sodium sulfide is used in the synthetic rubber industry, and oil and mining industries.

Look to Dow to satisfy your needs. Quick delivery and high quality are assured. Technical information is available on request.

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**Aniline**

**Phenol**

**Caustic Soda**

**Hydrochloric Acid**

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Washington.....REpublic 6608

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INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½ - —
t.c.l., same basis lb. .22½ - .24½
pellets, bgs., c.l., same basis lb. .21 - —
t.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
t.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

Perborate, USP, tech., bbls., c.l., works lb. .18¾ - —
t.c.l., works lb. .19¼ —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 - —
t.c.l., same basis lb. .18½ - .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms. lb. .41 .42
Phosphate, dibasic, anhydr., bgs., c.l., works 100 lbs. 6.75 - 7.00
t.c.l., works 100 lbs. 7.25 7.50
cryst., ogs. c.l. works 100 lbs. 3.35 3.60
t.c.l., works 100 lbs. 3.75 4.00
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd., ogs., c.l., works 100 lbs. 10.00 - —
t.c.l., works 100 lbs. 12.85 - —
tribasic, cryst., bgs., c.l., wks., frt. equald 100 lbs. 3.75 - —
t.c.l. same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs. lb. .12½ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.50 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
t.c.l. frt equald 100 lbs. 7.40 —
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, USP, dms lb. .59 .62
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
t.c.l., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs 3.96 4.36
zone 3 100 lbs. 4.25 4.65
zone 4 100 lbs 4.96 5.35

Sales zones are: (1) All States E. of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo (except St Louis), Neb., E. of 98° N C., S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La and Miss No of 31°; (3) Ark W of 96° Kan., Neb. W of 98°; N D., Okla., S D., Tex., W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah Wyo., and El Paso, Tex.

bbls. c.l. works 100 lbs. 2.45 —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
t.c.l. dlvd 100 lbs 5.40 5.65
Silicate, 40° turbid., dms., c.l., works 100 lbs. 1.05 - —
t.c.l., works 100 lbs 1.25 1.35
tanks works ton 16.00 17.00
52° turbid. dms., c.l., works 100 lbs. 1.80 —
t.c.l., works 100 lbs. 2.05 - 2.15
tanks works ton 32.00 —
Silicofluoride, bbls., c.l., works lb. .04½ - —
t.c.l., works lb. .049 —
Stannate dms., works, frt. alld E. lb. .443 - .508
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½ - .16½
tech. annyd. ogs. c.l. works 100 lbs. 2.00 - —
t.c.l., works 100 lbs 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls lb. .17 - .19
gran., bbls. lb. .17 - .17½
Sulphide flake, bbls., c.l., works frt. equald 100 lbs. 4.50 - —
t.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 —
t.c.l. same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
t.c.l., same basis 100 lbs. 3.25 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
t.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 3.60 - —
t.c.l., works 100 lbs 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
t.c.l. works 100 lbs. 4.40 —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾ - —
t.c.l., works lb. .06¼ - —
liquid, 45% basis 100%, tanks. works ton. 90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
t.c.l., works lb. .03¼ - —
Thiocyanate, CP, dms lb. .55 .65
tech., dms., works lb 30 —
Thiosulphate tech. (see Sodium hyposulphite).
USP cryst. bbls lb. .10 .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb .10¼ —
1 ton or less, works lb. .10½ .11
Trichloroacetate, dms. lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.25 - —
t.c.l., same basis 100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd. East lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt equald lb .23 - —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate dlvd., dms lb. .22 .22½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride fib dms. c.l., works lb .16½ —
t.c.l. works lb 17½ .20
Sodium-zirconyl sulphate fiber dms. 1,000 lbs. or more, works lb 28 —
less 1,000 lbs same basis lb 30 —
Solvent naphtha coaltar tanks, works gal. 25 .3235
high-flash tanks works gal. 25 .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .26 - —
150° F flash tanks same basis gal. .26 - —
Sorbitol, cryst., pellets, dms., c.l., works lb .30 —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39

Sorbital solution, commercial, aqueous, dms., c.l., works lb. .22¼ - —
ton lots, works lb. .23¼ - —
less ton lots, works lb. .24 - —
tanks, works lb. .21¼ - —
regular, 70%, aqueous, dms., c.l., works lb. .16¼ - —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½ - —
tanks, works lb. 15½ - —
Soybean meal, 41% bulk, Decatur ton. 71.00 - —
50%, same basis ton. 83.00 - —
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works lb. .20¼ - —
smaller lots, works lb. .20½ - .24
mechanically refined, bgs., 40,000 lbs., works lb. .0575 - —
20,000 lbs., works lb. .0590 - —
smaller lots, works lb. .0605 - —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .52 .55
Spikenard root, bls lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works. lb. .05¼ - —
Squaw vine leaves, bls lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.50 1.60
White, bls. lb. .11 .13
powd., bbls., bxs lb. .16 .18
St. Ignatius beans, bgs lb No stocks.
St. John's bread, edible, bls lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 —
paste, dms., works lb 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root)
Stargrass root (see Aletris root).

Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.82 - —
Chicago 100 lbs. 5.17 - —
t.c.l. 100 lbs. 5.97 - —
powd., paper bgs., c.l. 100 lbs. 5.93 - —
Chicago 100 lbs. 5.28 - —
t.c.l. 100 lbs. 6.08 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07¼ - —
Maine, bgs., c.l., works lb. .05¼ - —
l.c.l., spot lb. .07 - .07¼
Rice, bgs lb. .12½ - —
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0606 - .0626
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .35 .38
Stoneroot, bls lb. .07½ .08
Storax, USP cs lb 1.50 1.60
Stramonium leaves, bgs lb. .19 .20
Seed, bgs lb. .20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide NF cns., dms., lb 62 —
Carbonate, 90% dms lb. .15½ - .16¼
Chloride, tech. bbls lb 22 .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb 3.60 - —
Nitrate, bbls., c.l., works lb 09¼ - —
t.c.l. works lb .10¼ - —
Oxalate, bbls., works lb .42 .44
Salicylate NF, dms lb. 1.25 1.32
Sulphate air-floated 90% 325 mesh bgs., works ton. 56.70 66.15
Strontium-calcium sulphide phosphorescent dms. works lb 2.50 2.85
Strophanthin NF bots oz. 39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 3.25

Strychnine NF powd. cns. 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate USP powd. cns., 100 ozs oz. 1.00 —
Styrene, monomer, dms., c.l., works lb. .17¾ - —
l.c.l., works lb. .18¾ - —
tanks, works lb. .16½ - —
Styroyl acetate nots lb 2.50 3.10
Sucrose octa-acetate denat., bbls., l.c.l., works lb 60 —
tech., bbls., t.c.l. works lb 55 —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms lb 4.25 4.60
Sulphabenzamide-sodium, dms lb 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb. 11.25 - 11.75
microcrystals, 99%, not over 10 microns, dms lb. 10.50 - 11.00
powder lb. 10.25 - 10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb. 12.25 - 12.75
powder lb. 11.25 - 11.75
Sulphaguanidin, USP, dms lb. 4.50 5.00
Sulphamerazin, USP, micro crystals, 99.9% not over 10 microns, dms lb. 10.55 - 11.05
powder, dms lb. 10.25 - 10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 - 11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphanilamidoquinoxaline veterinary, dms lb. 9.00 9.25

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. . . you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant . . . and over two hundred local stock points from coast to coast. Solvay's exclusive Technical Service is also available, at your request.
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ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
SOLVAY
PRODUCTS for the Soap Industry
SODA ASH
CAUSTIC POTASH
CAUSTIC SODA
NYTRON
POTASSIUM CARBONATE
CALCIUM CHLORIDE
Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

## Sulphapyridin, NF—Witch Hazel Leaves

Sulphapyridin, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.35
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude c.l., bulk, mines, contract, long ton. 18.00 - —
vessel f.o.b. Gulf ports, export, long ton. 22.00 -24.00
f.o.b. ship for domestic and Canada long ton. 19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
Precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.90 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls. 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
l.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 - —
Sumac bark, 28%, grd., bgs., ex dock ton. 65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton. 67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltc unit-ton. .76 - —
Carteret, N. J. unit-ton. .73 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —
prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls. lb. No stocks.

## T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 -35.00
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 - —
l.c.l. ton. 26.50 -28.00
96.5-99.5%, 325 mesh, bgs., c.l., works ton. 21.00 -28.00
l.c.l., works ton. 25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton. 12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .04⅞- —
fancy, loose, same basis lb. .05¼- —
special, loose, same basis lb. .04½- —
sulphonated, 25%, dms lb. .06 - .06½
50%, dms lb. 08½- .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg. 10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 7.00 - —
Chicago unit-ton. 7.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07½
medium grades, bgs lb. .06½- .07
low grades, bgs lb. .05½- .06
Java, bgs lb. No stocks.
Tar acid oil, 15-16%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis. gal. .58 - —
l.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70½
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
sulphate, 99%, bots., dlvd lb. 10.50 -13.00
Theobromine, fib, dms lb. 4.50 - 4.55
Salicylate, fib, dms lb. 4.00 - 4.03
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib, dms lb. 2.90 - 2.95
Theophylline, USP, 100-lb. dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo. 160.00 - —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb 5.50 6.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 15.00 - —
Thyme, French, bgs lb. .14½- .15
Spanish, bls lb. .08½- .09
Thymol, USP, kgs lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .7122- .7222
Crystals, hydrous, bgs., bbls., works lb. .56½- —
Metal lb. .77 - —
Oxide, bbls. lb. .83 - .84
Sulphate, stannous, bbls., kgs., works lb. .83 - .85
Tetrachloride, anhyd., dms., works lb. .47½- .48½
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., work lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs. c.l., dlvd lb. .21½- —
l.c.l., dlvd. lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd lb. .07½ 07¾
l.c.l., dlvd. lb. .08 - .08¾
Titanium dioxide and pigment in bbls., 1c. higher; Pac. coast c.l. dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55 gal. dms lb. .57 .58
smaller, pkgs., works lb. 65 1.22
technical, 5-gal. dms., works lb. .32 —
smaller pkgs., works lb 40 1.00
Tolu balsam, cns., dms lb. 3.25 - 3.50
Toluene (see Toluol)
Tolidin base, distilled, kgs lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .24½- —
Birmingham dist gal. .23¾- —
Chicago district gal. .25½- —
Cleveland district gal. .25¾- —
Lone Star, Tex. gal. .24½- —
Geneva, Utah gal. .18¼- —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Lorain, Ohio gal. .24 - —
Minequa, Colo. gal. .23½- —
Philadelphia, Pa. gal. .26½- —
Pittsburgh district gal. .23 - —
Sparrow's Point, Md. gal. .24½- —
St. Louis, Mo. gal. .26 - —
Syracuse, N. Y. gal. .23½- —
Terre Haute, Ind. gal. .26½- —
Wyandotte, Mich. gal. .26 - —
Youngstown, Ohio gal. .23½- —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .26 - —
Chicago, Ill gal. .28 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Wood River, Ill. gal. .26 - —
Tonga, 50% bark and vine bls. lb 80 95
Tonka beans, Angostura, cks. lb 1.75 1.80
Brazilian, cs lb. 1.00 - 1.15
Surinam, cs lb 1.00 - 1.15
Toxaphene, dms., works, c.l. lb. 20 —
truckloads, works lb. .20 - —
ton to truckloads, works lb. .23 - —
less than tons, works lb. .26 - —
Totaquine, USP, 100-oz. lots oz. .42 - —
Triacetin, dms., dlvd lb. .35½ —
Tributyl citrate, dms. lb. 41 .43
smaller containers lb. .46 .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. 71 - —
Tributylamine, dms., c.l. works lb. 78 - —
l.c.l., works lb. 81 - —
Trichlorobenzene, dms., c.l., works, frt. alld lb. .10½- —
l.c.l. frt. alld. lb. .11½- —
tanks, frt. alld. lb. .09 - —
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¼- —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .09¾- —
Trichloroethylene, tanks, frt. alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
Zone 4 lb. .11½- —
Trichloroethylene, frt. alld., dm., c.l., prices ½c. higher, l.c.l., 1¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd. lb. .31½- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
petroleum, dms., c.l., dlvd. lb. .31½- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
Triethanolamine, dms., c.l. frt. alld. lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethylamine, dms., c.l., works, frt. alld lb. .31½- —
l.c.l., same basis lb. .32½- —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 .36
smaller containers lb. .39 .45
Phosphate, dms., works, c.l. lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald., basis 100% lb. .36 - —
l.c.l., works, frt. alld., basis 100% lb. .38½- —
tanks, works, frt. equald., basis 100% lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .32 - —
l.c.l., frt. equald lb. .33 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air-floated, bgs., c.l., works. lb. .017½- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works lb 2.30 - —
1:50, dms., works lb 4.25 - —
1:75, dms., works lb 5.50 - —
1:100, fib dms., works lb 5.50 - —
Tryptophane dextro-laevo, fib cns., works kilo. 207.00 -242.00
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms., works lb 4.75 - —
Oxide, kgs., works lb 2.85 - —
Turmeric root, Alleppey, bgs, afloat. lb. .29 - .30
Haitian, bgs lb. .09¾- .10
Jamaica, bgs. lb. .10 - .10½
Madras, bgs. lb. .15½- .16
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
l.c.l. same basis gal. .41 - —
N. Y. whse gal. .47 - —
tanks, works, South gal. .27½- —
Tyrothricin, bots. gram 1.00 1.10
steam-dist. dms. incl. c.l., works gal. .50 —
l.c.l. works, South gal. .56 - —
ex whse., NYC gal. .68 - —
tanks, works gal. .37 - —

## U

Urethane, USP dms lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root)
Uranium oxide, black bgs lb 2.55 - —
yellow, kgs lb 1.65 - —
Urea, dom. 46% N bgs. c.l. wks. lb .04½- —
l.c.l. works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.58 - —
Urea, dom., 42%N, bulk, distributors, 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 98.00 - —
40 tons, distributors, frt. alld Colo., Mont., Wyo., and west ton. 107.15 - —
Urea-ammonia liquor, A and B grades, N basis Belle W Va ton. 125.00 - —
C and D grades same basis, ton. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .08 - .10

## V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms., works. lb. 22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 51.00 - —
Extract, powd. bgs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide CP bgs., cns., works lb 7.00 - —
tech. dms. works lb 1.00 1.06
Vanilla beans, Bourbon, tins lb. 4.75 - 5.00
Mexican, cuts, tins lb. 6.50 - 6.75
whole, tins lb 7.50 7.75
Tahiti, cs lb 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots lb 4.05 - —
ex guaicol, tins, 25 lbs lb 3.00 - —
smaller lots lb 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, tins lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16 - .16½
5-gal. cns., works lb. .20 - —
tanks, works lb. .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .27 - —
tanks, works lb. .27 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units. 1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —
351,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
lots of less than 500 million units 1,000,000 units. .22 - —
451,000 or more A units per gm., bots, cns., dms., lots of 500 million units or more 1,000,000 units. .19 - —
Vitamin A, nat., 450,000 or more A units per gm., bots., cns., dms., lots of less than 500 million units 1,000,000 units. .23 - —
Prices above are based on the USP XIII method of conversion, E 1 1894.
Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .19½- —
lots of less than 500 million units 1,000,000 units. .23½- —
350,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .20½- —
less than 500 million units 1,000,000 units. .24½- —
451,000 or more A units per gm., bots., cns., lots of 500 million units or more 1,000,000 units. .22 - —
less than 500 million units million units, 1,000,000 units. .26 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E 1 1900.
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. 1,000,000 units. .24 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .24 - —
B (see Thiamine hydrochloride).
$B_2$ (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
$B_6$ (see Pyridoxin hydrochloride).
$B_{12}$ vials, 25 100 and 500 milligrams milligram. .98½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
$D_2$ (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl, toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

## W

Wahoo root bark, bls lb. 1.50 1.75
Tree bark, bls lb 85 75
Wattle bark, fair average, or E Afr., bgs., ex dock ton. 67.50 - —
merchantable, bgs., ex dock ton. 65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½- .08
solid, E Afr. 61% tannin ex dock, duty extra lb. .07½- —
S. Afr. 62% tannin ex dock, duty extra lb. .07½- —
Wax amorphous (see Wax microcrystalline)
Bayberry, bgs., spot lb. .44 - .48
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, bgs lb. .61 - .62
crude, African, bgs lb. .44 - .47
Brazilian, bgs. lb. .50 - .53
Cent American, bgs lb 48 .50
refined, yellow, bricks, cs lb. .52 - .53
slabs, bgs. lb. .51 - .52
Candelilla, crude, bgs lb. .46 - .47
refined, bgs lb. .49 - .50
Powdered candelilla, 20 mesh, 5c. per lb. extra; 50 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .76 Nom.
No. 3, crude, bgs., ton lots lb. .74 - .76
refined, bgs., ton lots lb. .77 - .78
yellow, No. 1, bgs., ton lots lb. .95 - .97
No. 2 lb. .93 - .95
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs. lb. .63 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber cns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20 000 lbs., same basis lb. .15 - —
black, cns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, cns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, cns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, cns., 20,000 lbs., same basis lb. .16 - —
Less than 20 000 lbs., same basis lb. .17 - —
white, cns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, cns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, cns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, cns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported Bohemian, bgs lb. .14 - .16
German, bgs. lb. .15 - .17
Ouricury, refined, bgs., ton lots lb. .75 - .77
Paraffin (see P.)
Spermaceti, blocks, cs lb. .24 - .27
cakes, cs. lb. .25 - .28
Sugar cane, crude, imp., bgs lb. .35 - .37
refined, dom., slabs., works lb. .60 - .65
imp., bags, N. Y. lb. .40 - .42
White lead (see c. ad white)
White pine bark, rossed, bls lb. .16 - .19
White precipitate USP powd., dms., 50 lbs lb. 2.00 —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton. 16.00 -30.00
smaller lots, works ton. 21.00 -35.00
Paris white, bgs., c.l ton. 24.00 -31.00
l.c.l. whse. ton. 25.00 -40.00
Precipitated, bgs., c.l ton. 18.00 -20.00
l.c.l. ton. 25 00 -35 00
Wild cherry bark, thick, natural, bls lb. .06 .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13 - .16
rossed, bls lb. .16 - .17
Wild indigo root, bls lb. 30 .31
Wild yam root, bls lb 16 17
Witch hazel leaves, bls lb. .23 - .25

Woodflour, 40 mesh, bulk, c.l., works, East ton 32.00 - —
t.c.l., same basis ton 40.00 - —
60 mesh, bulk, c.l., same basis ton 37.00 - —
basis ton 37.00 - —
t.c.l., same basis ton 45.00 - —
80-100 mesh, bulk, c.l., same basis ton 40.00 - 45.00
t.c.l., same basis ton 50.00 - 55.00
Woodflour in bgs. extra, returnable
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 - .14
Levant, bgs lb. 4.15 - 4.25
Wormwood leaves, bls. lb. .35 - .45

## X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol)
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt equald lb. .193 - —
t.c.l., same basis lb. .196 - —
tanks, same basis lb. .18 - —
45°-47°C. dms., c.l., frt. equald lb. .153 - —
t.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. .91 - —
t.c.l., same basis gal. .94 - —
tanks, same basis gal. .80 - —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.01 - —
t.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidins mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa gal. .27 - —
Birmingham district gal. .24¼- —
Chicago district gal. .27½- —
Cleveland district gal. .27 - —
Lone Star, Tex. gal. .25 - —
Geneva, Utah gal. .19¾- —
Hamilton, Ohio gal. .26 - —
Johnstown, Pa gal. .25 - —
Lackawanna, N. Y. gal. .27 - —
Lorain, Ohio gal. .25¼- —
Minequa, Colo. gal. .27 - —
Philadelphia, Pa. gal. .27 - —
Pittsburgh district gal. .24 - —
Sparrows Point, Md. gal. .27 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .24½- —
Terre Haute, Ind. gal. .27 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .24½- —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .26 - —
Chicago, Ill. gal. .28 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Wood River, Ill. gal. .28 - —

## Y

Yara, yara, cns lb. 2.00 - 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP, bgs., t.c.l., dlvd. N of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .30½- —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone all shades, bbls., frt. alld. E. of Rockies lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island lb. .25 - —
dlvd. -Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
t.c.l., works lb. .0166- .0275
French type, bgs., c.l. lb. .04½- —
t.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works lb. .09 - —
t.c.l. works lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs. lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ - .02¾
Zinc, bbls. same basis as chrome lb. .21 - —
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .28 - .30
Yohimbine hydrochloride vls. oz. 3.25 - 4.00

## Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots works lb. .35 - —
Zinc acetate, tech., bbls., dms. lb. .26¼- —
NF, dms. lb. .41 - —
Borate, bgs., c.l., dlvd. E lb. .17½- —
t.c.l., dlvd. E lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾- .11¼
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.00 - —
t.c.l., works 100 lbs. 7.40 - —
gran., bbls., c.l., works 100 lbs. 7.75 - —
t.c.l., works 100 lbs. 8.15 - —
solution, 50% dms., c.l., works. 100 lbs. 3.90 - —
t.c.l., works 100 lbs. 4.50 - —
tanks, works 100 lbs. 3.25 - —
NF, gran., dms lb. .42 - —
Chromate see Yellow, zinc).
Cyanide, kgs., works lb. .40 - .422
Dust, bbls., c.l., works lb. .1225- —
dlvd. lb. .1250- —
t.c.l., works lb. .1260- .1325
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
t.c.l. lb. .17¾- .19¼
Iodide, NF, jars lb. 4.85 - —

Zinc, laurate, bbls. lb. .45 - .46
Linoleate, solid, 9½%, bbls lb. .42½- —
Metal, slabs, E. St. Louis lb. .15 - —
Naphthenate, liquid, 8% Zn., frt. alld. lb. .20¾- .21¼
10% Zn, dms., frt. alld lb. .25½- .26
Oleate, fused, bbls lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd lb. .14 - —
t.c.l., dlvd lb. .15 - —
American process, com'l, lead-free, bgs., c.l., dlvd lb. .14 - —
t.c.l., dlvd lb. .15 - —
leaded, 5%, bgs., c.l., dlvd lb. .14 - —
t.c.l., dlvd lb. .15 - —
35%, bgs., c.l., dlvd. lb. .13¾- —
t.c.l., dlvd lb. .14¾- —
50%, bgs., c.l., dlvd. lb. .13⅝- —
t.c.l., dlvd lb. .14⅝- —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .16¼- —
t.c.l., dlvd lb. .17¼- —
green seal, bgs., c.l., dlvd lb. .15¾- —
t.c.l., dlvd lb. .16¾- —
red seal, bgs., c.l., dlvd. lb. .15¼- —
t.c.l., dlvd lb. .16¼- —
white seal, bgs., c.l., dlvd lb. .16¼- —
t.c.l., dlvd lb. .17¼- —
USP, ctns., c.l., dlvd lb. .17¼- —
t.c.l., dlvd lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. lb. .36 - —
Resinate, fused, 1% Zn, dms., frt. alld lb. .20 - —
precip., dms., frt. alld lb. .22½- —
Silicofluoride, bbls., works lb. .10 - .10½
Zinc stearate, tech., USP, ctns., c.l., lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 5.60 - —
t.c.l., same basis 100 lbs. 6.00 - —
flake, 25½% Zn, bgs., c.l., works, dlvd 100 lbs. 5.85 - —
t.c.l., works 100 lbs. 6.25 - —
powdered, 36% Zn., bgs., c.l., dlvd., same basis 100 lbs. 8.25 - —
t.c.l., same basis 100 lbs. 9.00 - —
Zinc sulphate in bbls 40c higher
USP, gran., dms lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
t.c.l., dlvd lb. .21 - —
Barium pigment, bgs., c.l., dlvd lb. No prices.
t.c.l., dlvd lb. No prices.
Calcium, pigment, bgs., c.l., dlvd lb. No prices.
t.c.l., dlvd lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
t.c.l., dlvd lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms lb. .33 - 34
powd., bbls lb. .36 - 37
Undecylenate, dms lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs 7.00 - —
t.c.l., works 100 lbs. 7.40 - —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1368
t.c.l., same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .21½- —
normal, dms., works lb .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate 13% sol. $ZrO_2$, bbls. works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb .30½ - —
Hydride, cns., works lb. 7.00 - 8.00
Nitrate, dms., works lb 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works lb 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb 44½- —
1 ton or less, works lb 45 - .48
milled, electric-fused bgs., c.l., works lb. .59 - —
5 tons works lb 59½- —
1 ton or less, works lb 60 - .63
Oxychloride, cryst. ctns., 5 tons, works lb 29½ - —
Silicate, granular, bgs., c.l., works, lb. .03¼- .03¾
10 tons, works lb 03½ - 04
5 tons, works lb 04 - —
1 ton or less, works bl 04¼ - .04¾
milled, bgs. c.l., works lb 04¾ - —
5 tons, works lb 05¼ - —
1 ton or less works lb 05¾ - .06¼
refined, bgs. c.l. works lb .11 - —
works lb 11 - —
5 tons, works lb 11½- —
1 ton or less, works lb 12 - .16
Sulphate, cryst., ctns., c.l., works lb .37½- —
5 tons, works lb 38 - —
1 ton or less, works lb 38½ - .39


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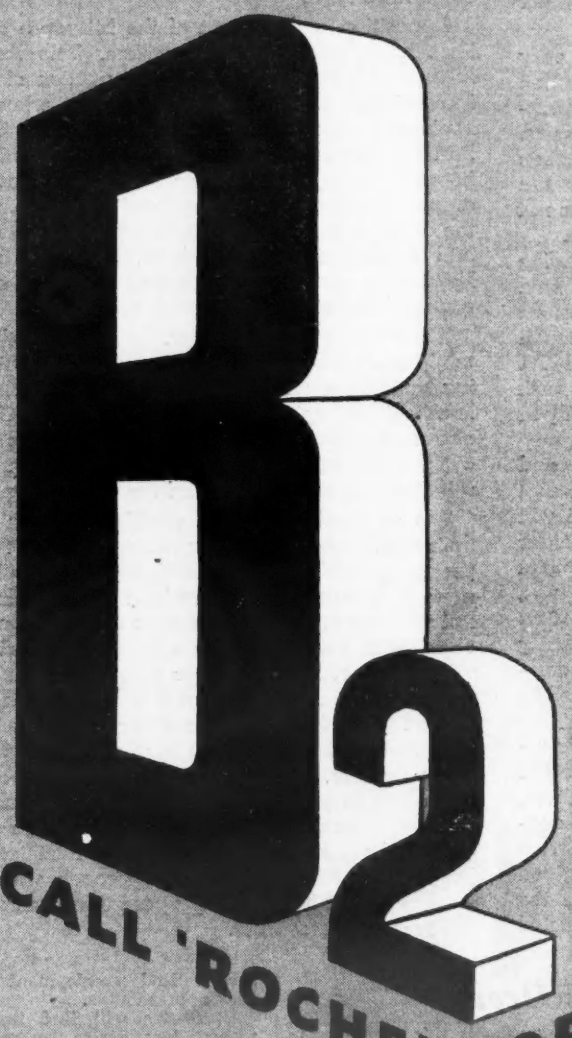


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Niacin Niacinamide
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WILLIAM S AUCHINCLOSS, *President*
30 Church Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 157 June 26, 1950 Number 26


## *Chemical Public Relations*

The Manufacturing Chemists Association is to be commended highly for its undertaking of the development of better public relations for the industry which it represents. The magnitude of that undertaking was well set forth by those who participated in its launching at the annual meeting of the association last week. It must be emphasized, as those commenters made plain, that the real work will have to be done by the individual units of the industry in their communities. The association, in largest part, can but counsel and assist and will best not be particularly or prominently identifiable in the work; for centralized campaigning in public relations runs the risk of becoming propaganda, and that is still further removed from public relations than is mere publicity which is so commonly confused with them.

Public relations basically are human relations. For that reason they rest heavily upon understanding of human nature. It was well said in the MCA launching that public relations are largely good morals and good manners. As such they entail an earnest consideration for ethics, and especially for its subdivisions in the areas of human ecology and deontology and all their ramifications in human behavior.

Public relations involve civic responsibility in very large part. That is why the MCA program of pollution abatement ties in so closely with its newer undertaking. The chemical industry has done much to assure cleaner, healthier atmospheres and waters in the areas of its operations. It knows far better than any others who interest themselves in that direction that it has not yet done enough. It labors constantly to do more.

It is from such activities that public relations derive their greatest portion of satisfactoriness. In no field other than the ecological area of human behavior do actions speak louder than words. They also speak much more convincingly, and it was well said at the MCA presentation that it would be unwisely futile to set forth in pronouncements what was refuted quite obviously in performances.

The Manufacturing Chemists Association can, and doubtless will, do much to correlate data attractive of public goodwill for the chemical industry. It also will coordinate the dissemination of information in order that there may be no more than a minimum of conflict or contradiction. But, each chemical company, yes, each plant, must be the transmitter of the story of its work in operative safety and comfort and its neighborly regard for the people and the vegetation of its community. The telling of that story cannot be confined to words.

Any movement for the development of the public relations of a unit of the chemical industry will be started best with those members of its public, its neighbors, who constitute its working force. The use of the suggestion system (wholly anonymous) is a good starting step, following which the whole force should be given an opportunity (again anonymously) to vote on the need for and desirability of each suggestion directed toward the improvement of the human relations of the organization. Interwoven with such recognition of the welfare of employees should be, as the president of a large business corporation advised the Institute of Business Leadership recently, the greatest possible measure of personal contact of management and employees. In no other way can "good news" be got so effectively to the people of the community. Of course, the next step is to carry a similar scheme of cooperation to the community through the channels which local conditions dictate.

Whatever the extent to which other executives of the chemical industry may agree with the chairman of the MCA board that the name, "chemical," has taken on an undesirable public connotation of hazard and disregard, all must admit that there is some measure of public illwill in many places. It is of greater desirability that those conditions be remedied than that the industry get the build-up which it deserves. The latter should be done and can be done on a broad scale. The former must be done at the points of need. So, the Manufacturing Chemists Association should have the full cooperation of every member of its industry at every point of contact with the public.

## *More Basing-Point Fog*

The interpretations of President Truman's vetoing of the so-called "basing-point" bill are as many and as various as long have been those of the antitrust laws as a whole by courts, administrative agencies, legislators, and attorneys, and as were those of the judicial dictum which motivated the introduction of the supposedly remedial measure. The bill would not have legalized the previously outlawed basing-point system. It would not have made legal any action now prohibited by the trade-and-competition statutes. It would have done little other than make it a bit more difficult for the government to prove the conspiracy on which violation of those laws rests.

Opposition and support of the bill were divided by lines that wiggled all over the place. This was especially true with reference to the introduction of that ever-increasingly popular politicomic war whoop—"small business." How small business would have been either hurt or helped by the measure is not discernible by the impartial analyst. Why the retail drug trade, for example, opposed the bill is difficult to conceive because the druggist certainly wants to buy on a delivered price and expects, in North Dakota, North Carolina, New Hampshire, and New Mexico, to get Doctor Dump's Dandruff Deleter at the same price per dozen.

It must be agreed with Mr. Truman that the bill certainly did nothing to clarify the statutory status of pricing systems; even though he had in mind the more or less "official" opinion of the Federal Trade Commission about f.o.b and f.o.s. prices, which also has been variously interpreted by members of the commission and seemingly does not condemn the delivered price.

The antitrust laws need clarification with respect of their application to pricing practices. While they clearly permit the absorption of delivery charges by sellers, even as a common practice in a given trade, they are not so clear in their reference to equalization of freight charges in the meeting of competition, and they certainly do not make it clear whether making a lower price to meet competition at a given point is a discrimination against a buyer at another point who is not similarly favored because there is no competition to be met. While the law, in effect, sets up the principle of the same price for everyone—which is not unquestionably a fair deal—it does not establish that principle so completely as to make it applicable everywhere. Rectification of the laws' fogginess calls for an approach with far more frankness and fullness of purpose than was reflected in the recently vetoed bill.

## *For the Bookshelf*

**THE PAINT INDUSTRY IN GERMANY during the period 1939-1945. By Neil R. Fisk, F.C.S., and H. W. Bowron, B.Sc., A.R.I.C. Paper; 153 pages London: His Majesty's Stationery Office. 75 cents.**

**This is a BIOS report, prepared by the editors of *Paint Technology* with the view of collating and classifying all the reports on German industry which are of interest to the paint technologist and all others who are concerned with the materials and compositions of the coatings, ink, and related industries. The data were derived from more than 200 reports—B.I.O.S., C.I.O.S., F.I.A.T., and J.I.O.A.—ranging over a wide and importantly interesting scope.**

**The data have been arranged in four groups:—(1) Paints, varnishes, and printing inks, including pigments, vehicles, and driers; (2) waterpaints, including surface-active and emulsifying agents; (3) cellulose lacquers, comprising bases, solvents and plasticizers; (4) linoleum and coated fabrics. There are also a sixteen-page glossary of trade-names, twenty-four pages of bibliography, and an index of some 900 items, ranging from "A.C. 2 Binder" to "Zinc Sulphide High Content in Lithopone."**

**B.I.O.S. reports are full of information, some of it quite useful. The proportion in the paint report is high in that respect. Copies are procurable from British Information Services, 30 Rockefeller plaza, New York 20.**

## *Washington Talks It Over*

—*Continued from page 5*

**from the financing of the raw materials in the producing countries to financial distribution through wholesale and retail channels in the United States. Conferences with producers and exporters, banks and government agencies will be held in various Marshall plan countries.**

### Job Opportunities Improved

**There's good news out of the Department of Labor for the several thousands of students graduating or leaving colleges and high schools this month. On the whole, the job opportunities are considerably better now than they were only a few months back as a result of improved business conditions.**

**This is not to say that a job is waiting for every new worker. There are still more persons available for jobs than there are jobs. Unemployment still runs more than 3,000,000, but new jobs just now are opening up faster than new workers are coming into the market, which means that most of the graduates should find employment in the next couple of months.**

**Graduates will find that 'some fields which they desire to enter are overcrowded as a result of the large number of postwar college graduating classes and employment will be scarce. These include law, journalism, and high school teaching. In other fields, however, demands far outweigh the available supply of trained people to fill these jobs. Some of these are nursing, medicine, dentistry, dietetics, elementary school teaching. Those whose training lies in crowded fields would be well advised to explore the possibilities of entering any fields closely allied to their field of primary interest.**

### Alcohol Tax Unit Head Retiring

**The alcohol industry is going to lose one of its good friends in government next month. William H. Kennedy, Assistant Deputy Commissioner of Internal Revenue, in charge of the alcohol tax unit's permissive and tax collection activities, has decided to pick up his hat after thirty-eight years of service July 31, and go fishing. He is an outstanding authority on the administration of the industrial alcohol and beverage liquor laws. He is held in high esteem by the industry because of his fairness in dealing with the public and taxpayers.**

**During the war, Kennedy directed the alcohol tax unit's participation in the alcohol production program. In this activity he cooperated with the War Production Board, Reconstruction Finance Corporation, Defense Supplies Corporation, Defense Plant Corporation, and the Office of Price Administration in carrying out the overall governmental alcohol production program for defense purposes. He has served as assistant deputy commissioner of the alcohol tax unit in Washington since 1937. During the past three years he has devoted a large part of his time and efforts to the simplification of the antiquated laws and regulations of the bureau dealing with the industrial alcohol and beverage liquor industries. He has been particularly successful in this field of activity.**

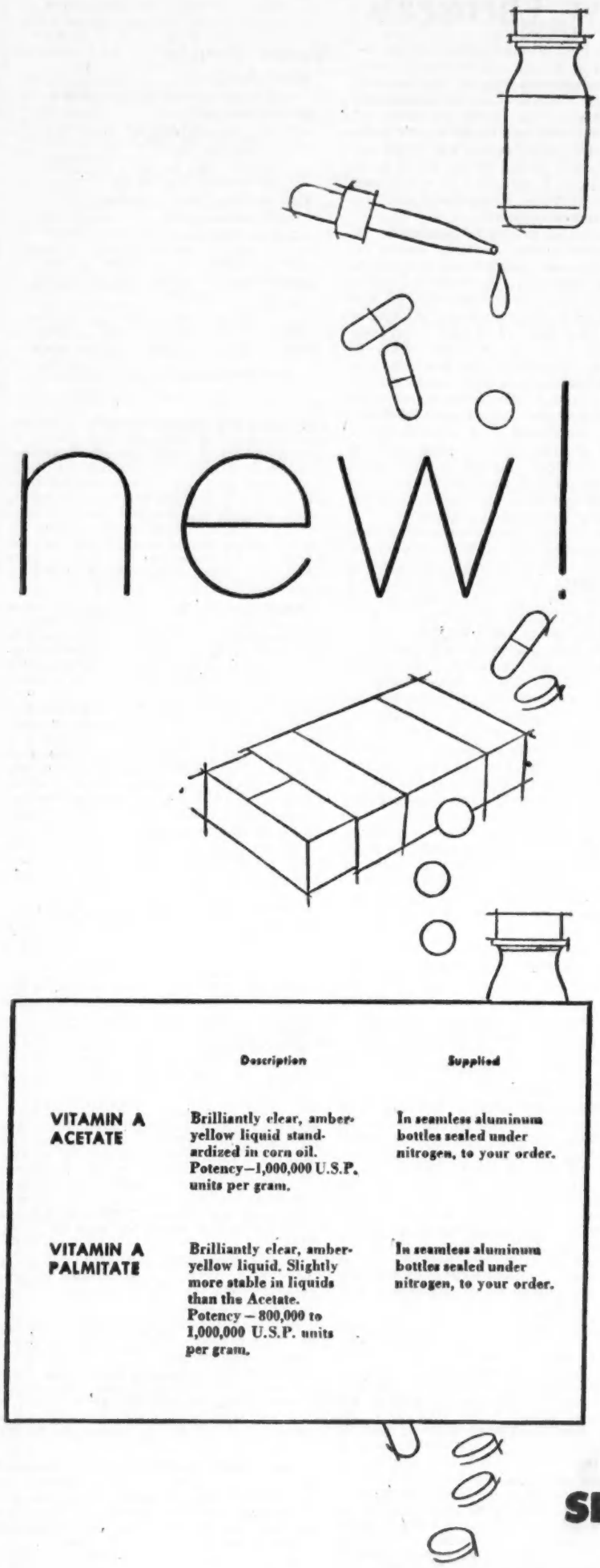
**Mr. Kennedy has retained his legal residence at Tell City, Ind., during all his years of service. His present plans are to relocate there upon retirement and devote a part of his time and energy to the erection and furnishing of a home to be known as "Top O' the Hill" overlooking the town and the Ohio river. He will be happy to welcome his friends in the industry who pass that way.**

### ECA Business Incentives

**ECA is looking for an increased interest by American business firms in investing in European private enterprises as a result of new provisions written into the Marshall plan by the extension law just enacted.**

**Under the new legislation, businessmen who invest in, or license to foreign producers in Marshall plan countries such intangibles as patents, processes and technics will be able to obtain guaranties of convertibility into dollars of the foreign currency proceeds received from such investment or license. Another provision authorizes a guaranty against the risk of loss through expropriation or confiscation by participating countries.**

**It is hoped that these new authorities will be used extensively by American business men for, ECA says, a greater movement of American industrial know-how can contribute tremendously to European recovery—which means increased productivity abroad, better wage scales and higher living standards. Previously, government guarantees extended only to capital equipment and actual cash investment. Only $30,000,000 of guaranties were issued under this authority. Now ECA is figuring on guaranties totaling upwards of $200,000,000.**

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# Heavy Chemicals

Sodium hyposulphite prices were advanced on spot with an advance in contract prices effective July 1. The upward revision was made to cover the higher cost of production. One of the producers of chlorine and solid and flaked caustic soda has advanced prices, others will follow on July 1. Lower prices for tin metal have brought about a reduction in quotations for sodium stannate, tin chloride, crystals, sulphate and tetrachloride.

As a result of suspended production at an important plant, available stocks of chlorine, caustic potash and potassium carbonate were critically short last week. With approximately 40 percent of the country's alkali production and shipments shut off since June 19, the effect on soda ash, caustic soda and affiliated chemicals is obvious. The strike has also seriously disrupted the movement of white granular sal ammoniac, ammonium bicarbonate and sodium nitrite. Supplies of sulphuric acid have continued short under a heavy demand. Copper sulphate shipments are running six weeks behind schedule with no improvement in sight before September. Increased inquiry for nickel salts has temporarily over-topped output.

Domestic production levels of industrially important chemicals were generally higher for April than those reported for March, 1950, or for the corresponding period of last year, according to the Bureau of the Census. A comparison of April, 1950, quantities with those shown for April, 1949, indicates an increase for all of the chemicals included in the survey. All-time record production levels were reported in April for synthetic anhydrous ammonia, muriatic acid, ammonium nitrate, chlorine, hydrogen, nitric acid, and dibasic sodium phosphate. In addition, sizable gains over March production were reported for calcium arsenate, liquid and gas carbon dioxide, and sodium phosphate, monobasic.

Paper production based on a percentage of six-day capacity was 103.7 percent for the week ending June 17, according to the American Paper and Pulp Association. This compared with 102.0 in the preceding week and 78.1 for the corresponding week in 1949.

Employment in the United Kingdom's chemical industry at the end of 1949 was 449,000. It will reach 455,000 by the end of 1950, the Government Economic Survey, 1950, forecasts.

*Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.*

**Ammonia, Anhydrous** — Production of synthetic recorded an all time high in April. The total was 134,452 tons, compared with 123,996 in the preceding month and 109,306 tons in April, 1949.

**Carbon Dioxide**—April recorded a seasonal increase in production. The total for liquid and gas was 12,012 tons, compared to a revised output for March at 10,839 tons and 9,396 tons for April, 1949. Production of solid, dry ice, was 34,192 tons, against a revised total of 27,704 tons in the preceding month and 28,483 tons in April, 1949.

**Chlorine**—Prices have been advanced 15c. per 100 pounds for tankcars by one producer. The others will make a similar advance July 1. The supply situation has continued exceedingly tight with demand active. April production of chlorine gas established a new high. The total was 168,878 tons, compared with 167,091 in the preceding month and 140,791 tons in April, 1949.

**Copper Sulphate**—Stocks short with no improvement expected until September. Demand has continued active with shipments averaging six weeks behind schedule. Aside from agriculture, industrial inquiry is holding above normal and export orders ranging from 70 to 200 tons are in the market for South American shipment and are uncovered. Price position firm backed by a strong metal situation.

**Potash, Caustic**—Current supply situation definitely tight, the shortage being accentuated by the temporary suspension of a major producer on account of labor difficulties. Potassium carbonate is in a similar position where demand at present is considerably ahead of the available supply. Both chemicals are tagged for an advance in price July 1.

**Soda Ash**—Suspended production by a major producer during the past week has tightened the supply situation and aggravated the market position. Demand continued active, with some producers sold through July. Production of light ash in April was 185,907 tons, against 193,855 in March and 163,552 tons in April, 1949. Output of dense ash in April was 130,089 tons, compared with 126,508 in the preceding month and 107,737 tons in April, 1949. Production of natural in April was 19,487 tons, against 19,647 in March and 14,478 tons in April last year.

**Soda, Caustic**—In better supply than soda ash, although stocks have been appreciably tighter as a result of a temporary strike at a large plant. Consuming demand continued steady with one producer up 15c. per 100 pounds for flake and solid in drums and others expected to make a similar advance on July 1. Production of liquid in April by the electrolytic process was 163,039 tons, including 27,211 tons of solid, against 156,053 tons, including 21,016 tons of solid in March and 128,933 tons of liquid, including 21,385 tons of solid in April, 1949. Production by the lime-soda process in April was 47,305 tons of liquid, including 12,641 tons of solid, compared with 49,301 tons of liquid, including 12,050 tons of solid in March and 46,917 tons of liquid, including 15,810 tons of solid in April, 1949.

**Sodium Bicarbonate**—April production of refined amounted to 12,967 tons, compared with 14,272 in the preceding month, and 11,874 tons in April, 1949.

**Sodium Hyposulphite**—Technical priced higher at $3.75 per 100 pounds in bags, works, freight allowed for carlots and $4.15 for less. The granular grade is also higher at $4.00 per 100 pounds in carlots and $4.40 for l.c.l. These prices apply to spot and to contracts effective July 1. The upward revision is the result of higher producing costs.

**Sodium Phosphate**—Production of monobasic in April amounted to 1,202tons, compared with 998 tons in March and 985 tons in April, 1949. Output of dibasic showed 14,400 tons in April, compared with 13,907 in the preceding month and 9,844 tons in April last year. April production of tribasic was 5,629 tons, against 5,723 in March and 5,548 tons in April, 1949.

**Sodium Stannate** — Priced lower at 44.3c. to 50.8c. per pound, works, freight allowed. The downward revision was the result of a decline in the metal.

**Tin Based Chemicals**—Lower prices for the metal have resulted in lower prices for several of the affiliated chemicals. Tin chloride stannous anhydrous was priced at 71.22c. to 72.22c. per pound, crystals 58½c., sulphate stannous 83c. to 85c. and tetrachloride anhydrous 47½c. to 48½c. per pound, all prices f.o.b. the works.

**Zinc Sulphate**—Demand has improved since the late advance with shipments for agriculture, glue, stearates and rayon now averaging normal dimensions. The tone of the market is steady reflecting the stronger position of basic material.

## Acids

**Hydrofluoric**—Production of anhydrous and technical increased during April. The total amounted to 3,006 tons, compared with 2,987 in March and 2,782 tons in April, 1949. Current demand steady, supply position comfortable.

**Muriatic**—A new high level for production was established in April when cutput registered 51,239 tons. Included in this total were 12,398 tons made from salt and acid, 10,921 from chlorine and hydrogen and 27,920 tons as byproduct and from other sources. Production in

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

Sodium hyposulphite, 25c. per 100 lbs.

**Prices Reduced**

Sodium stannate, .05c. per lb.
Tin chloride, .01c. per lb.
crystals, ¼c. per lb.
metal, 1c. per lb.
sulphate, .07c. per lb.
tetrachloride, ½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

*General Chemicals*

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 219.0 | 219.0 | 216.8 | 216.4 | 222.4 |

*Acids*

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 121.9 | 121.9 | 121.9 | 121.8 | 122.0 |

(*For Current Prices see Page* 9)

March totaled 50,708 tons and in April last year 46,267 tons were made.

**Nitric**—Another acid that recorded an all-time high monthly output in April with a total of 113,693 tons. March output was 98,906 tons and in April, 1949, production amounted to 101,790 tons.

**Oxalic**—Demand has not exceeded fair dimensions over the past month. Activity has been confined mostly to small lots and stocks have continued ample to meet requirements.

**Sulphuric**—Supply position definitely tight in this area under an unusually active consuming demand. Recent heavy shipments to the fertilizer industry reduced producers' inventories and inquiry has increased substantially from the chemical and allied industries and from the iron and steel mills. April production totaled 1,054,926 tons including 231,754 tons by the chamber process and 823,172 by the contact process. The March total was revised to 1,071,299 tons and in April last year 908,599 tons were produced.

## Nonferrous Metals

**Copper**—Tight supplies and strong demand have kept the market position firm. Electrolytic priced at 22½c. per pound delivered Valley basis.

Copper consumption in the United States during May continued at levels close to the peacetime peaks of 1947 and producer-refiner stocks were further reduced to the lowest level in many years, according to Copper Institute figures. Deliveries of refined copper to domestic fabricators during May totaled 113,837 tons, a daily average of 3,672, compared with 101,729 tons and a daily rate of 3,391 in the previous month. The figures do not include copper taken for the government stockpile. With such takings, the trade estimates that total copper deliveries in May were between 135,000 and 140,000 tons. For the first five months of 1950, shipments to fabricators were 563,037 tons, or 3,729 daily, compared with a 1949 average of 2,826 a day.

Primary copper production in the United States in May was 76,543 tons, or 2,469 daily, against 2,462 a day in the preceding month, 2,470 a day over the first five months of 1950 and 2,118 a day during 1949.

**Lead**—Sales were made on the basis of 12c. per pound New York and 11.80c. St. Louis for the common grade. Demand and supply appeared about equal.

**Molybdenum**—Bureau of Mines states that domestic production of molybdenum concentrates was 5,813,300 pounds (contained molybdenum) in the first quarter of 1950, an increase of 7 percent over the preceding quarter. Shipments of concentrates in the first quarter comprised 5,787,500 pounds to domestic consumers and 1,860,700 pounds for export. Molybdenum concentrates were produced in six states; Utah led, followed in order by Colorado, Arizona, New Mexico, California and Nevada. Consumption in the first quarter of 1950 was 5,544,900 pounds (contained molybdenum), an increase of 48 percent over the previous quarter. Stocks of concentrates held by industry were 17,575,000 pounds (contained molybdenum) on March 31, 1950, compared with 19,159,100 pounds on Dec. 31, 1949.

**Quicksilver**—Trading continued quiet with no important pickup in demand. For 100 flask lots $70 was named and for smaller quantities $73 to $75 depending upon quantity and seller.

*San Francisco.*—The quicksilver market here


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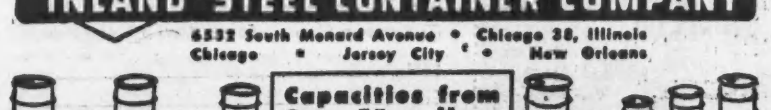


continues unchanged with little activity of note. Metal quoted at $73 per flask.

Imports in the first quarter of 1950 amounted to 13,210 flasks, marking a substantial (45 percent) drop from the highly inflated quarterly average for 1949 the Bureau of Mines states. Imports in January-March, 1950, nonetheless, were at an annual rate higher than in every other year except 1945. Spain resumed the position of leading supplier in the first quarter of 1950 accounting for 84 percent of the total, contrasted with only 2 percent of the total in all of 1949. Mexico ranked second in 1950 with its highest quarterly total since the like quarter of 1949. Japan was listed again as a supplier in January-March, after dropping out in the final quarter of 1949.

**Silver**—No new price developments last week. Market position steady with sales at 72¾c. per ounce, New York.

**Tin**—Market fractionally lower with sales of grade A at 77c. per pound and slightly under this figure on spot and at 76½c. for future. Offerings were a little above demand.

**Zinc**—Stocks continued short with demand active and market position strong. Prime western priced at 15c. per pound East St. Louis basis.

## Monsanto Research Post To Dr. E. N. Rosenquist

Monsanto Chemical Company has named Dr. E. N. Rosenquist assistant director of the central research department at Dayton, Ohio. In his new post Dr. Rosenquist will supervise development activities of the department.

He joined the staff of the Thomas & Hochwalt Laboratories, Dayton, in 1935 and remained in his job when Monsanto acquired the laboratories in 1936. In 1940, he was appointed group leader in charge of the research program on styrene monomer and in 1946, following a tour of duty in Germany with the technical industrial intelligence division of the Department of Commerce, Dr. Rosenquist was named assistant development director.

## New York P.A.'s Elect Lamborn 1950 President

R. Park Lamborn, general purchasing agent for Kennecott Copper Corporation was elected president of the Purchasing Agents Association of New York at the annual meeting held at the Builders' Exchange Club June 20.

Other officers elected were:—Edward A. Bantel, National Bureau of Casualty Underwriters, and John F. Snedeker, Binney & Smith Company, vice-presidents; Edward B. Fielis, treasurer, and the following members of the executive committee:—Walter M. Hoffmann, American Oil & Supply Company; G. Everett McMillen, Town of Montclair, and George Z. Turadian, A. & M. Karagheusian, Inc.

### Ferguson Joins Ferguson Co.

Hardy S. Ferguson, a leading pulp and paper mill engineer for many years, has joined the pulp and paper engineering division of H. K. Ferguson Company, industrial engineers and builders, as a consultant.

Mr. Ferguson recently terminated his own engineering concern and several of the principal engineers in his organization have also joined H. K. Ferguson Company.

### Goodrich Issues Apron Catalog

B. F. Goodrich Company, Akron, Ohio, has published a new four-page catalog section on its lines of industrial aprons. Featured in the publication are aprons made of "Koroseal," which come in three types, acid-proof, film and heavy duty. Also described are various aprons of different types of rubber for both light and heavy duty. Copies of the catalog section are available upon request to the company.

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# MCA Inaugurates Public Relations Program

—Continued from page 7

ticipation in the ITO conferences, he said, is desirable for its negative value.

Mr. Huston also touched on reciprocal trade agreements, and ITO aspects, declaring that, if the industry is to get any-

Maurice F. Crass, Jr.
MCA Secretary

where in its desire for tariffs, it must have labor with it by reason of the latter's concern for jobs which heavy imports would. at least, jeopardize. The tariff side was more expansively considered by Mr. Moody, especially with reference to the so-called "simplification" idea which would eliminate the American selling price as a duty basis.

In the need for facts in that connection, Mr. Moody said, a fact-finding organization had been engaged, which made surveys in England, France, Italy, Germany, and Switzerland. On the findings was based a campaign to make fully known the value of the organic chemical industry to the nation in war and peace. It was desirable that the simplification bill preserve the distinction in duty between competitive and noncompetitive items. A workable substitute for the official draft should be prepared.

Covering briefly the status of ITO and the coming trade agreements conference in Torquay, England, Mr. Moody urged that every effort be made to get exceptions for chemicals.

**Plastics Amalgamation**

It was officially announced that endorsement had been given to the amalgamation of the Plastic Materials Manufacturers Association with the Manufacturing Chemists Association. Frank Carman, manager of the former organization, will join the MCA staff, along with several of his assistants.

Treasurer J. W. McLaughlin reported receipts of $100,240; expenditures of $83,-81; and a balance of $53,590. The 1950-51 budget was set at $97,000, of which $66,700 represents salaries and retirement fund. Dues and assessments of members will henceforth be based on payrolls.

Five new members were admitted during the closing year, and there had been six deaths of members' executives.

**Atomic Facts and Fallacies**

Misconceptions are rapidly growing into fallacies with respect of the economic value and ethical significance of atom-fission energy, said Lewis L. Strauss, retired United States admiral and president of the Institute of Advanced Study, Princeton, N. J. Some of the resulting conditions are serious. The usefulness of atomic energy is dubious in many respects. It is not likely to replace water, coal, and oil in the providing of power. Its side-products are useful in human ills, largely as tracers, but it is no fountain of youth.

The transfer of atomic energy to private enterprise would be unwise, Mr. Strauss said, because its main function is in the area of national security—and uranium is scarce. Among fallacies on atomic energy he listed the belief that atomic disarmament could be effected by means of a gentlemen's agreement; that data on atomic armament and production should be made fully known. The danger of that to national security would come from misrepresentation and misinterpretation. He decried the talk about top scientists quitting the atomic service, declaring that theirs was no desertion but a more normal return to their usual tasks. They were still counselors and advisers. They are not unwilling to assist in the study of the hydrogen bomb.

**Chemical Warfare Service**

Teamwork by the Department of Defense and science and industry is one of the best assurances of the national security, said Maj.-Gen. Anthony C. McAuliffe, head of the Chemical Corps. It is based on understanding and cooperation and aims at increased efficiency which is of great importance in preparation for emergencies. Teamwork with the chemical industry and its laboratories of research is first in importance and the Chemical Corps is opposed to the replacement of the American selling price as the base of chemical import duties and everything else that would jeopardize or impair the progressive efficiency of the industry, General McAuliffe declared.

The corps will spend $9,000,000 in the next year on research. This will cover use of and defense against radio activity as a weapon; bacteriologic warfare, in which the potentialities of sabotage are portentous; toxic chemicals, including the newer "nerve gases." Construction of a $20,000,000 military proving ground at Dugway, Utah, is contemplated. Experimentation is essential because 90 percent of the items of chemical and related warfare have no peacetime usefulness. But, the capacity and competence of the chem-

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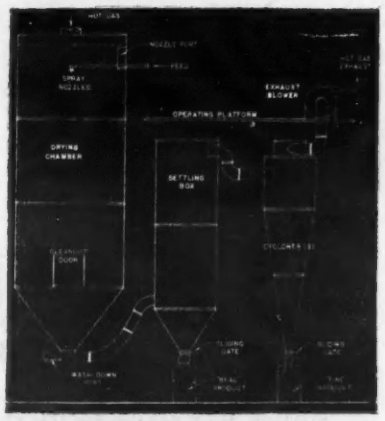

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**Officers, Directors Re-elected**

There was no opposition, in candidates or votes, for the slate of the nominating committee. So, the following officers and directors were retained in office:—

President, George W. Merck, of Merck & Co., Rahway, N. J.

Vice-presidents, Leonard T. Beale, of the Pennsylvania Salt Manufacturing Company, Philadelphia, and Harold O. C. Ingraham, of the General Chemical Division, Allied Chemical & Dye Corporation, New York.

Treasurer, J. W. McLaughlin, of the Carbide & Carbon Chemicals Corporation, New York.

Secretary, Maurice F. Crass, jr., 246 Woodward building, Washington 5.

Board of directors, chairman, William M. Rand, of the Monsanto Chemical Company, St. Louis; vice-chairman, Charles S. Munson, of U. S. Industrial Chemicals, Inc., New York; Leonard T. Beale, Pennsylvania Salt Manufacturing Company, Philadelphia; W. B. Bell, American Cyanamid Company, New York; Wyly M. Billing, Hercules Powder Company, Wilmington, Del.; L. I. Doan, the Dow Chemical Company, Midland, Mich.; H. W. Fisher, Enjay Company, New York; Harold O. C. Ingraham, General Chemical Division, Allied Chemical & Dye Corporation, New York; W. S. Landes, Celanese Corporation of America, New York; J. W. McLaughlin, Carbide & Carbon Chemicals Corporation, New York; Clyde D. Marlatt, the Martin Dennis Company, Newark, N. J.; George W. Merck, Merck & Co., Rahway, N. J.; W. S. Richardson, B. F. Goodrich Chemical Company, Cleveland, Ohio; P. T. Sharples, Sharples Chemicals, Inc., Philadelphia; John L. Smith, Charles Pfizer & Co., Brooklyn, N. Y.; W. H. Ward, E. I. du Pont de Nemours & Co., Wilmington, Del.; H. I. Young, American Zinc, Lead & Smelting Company, St. Louis.

**On the Entertainment Side**

The entertainment side of the meeting was a joint outing and banquet of the Manufacturing Chemists Association and the Synthetic Organic Chemical Manufacturers Association. The big feature was the golf tournament. Some tennis playing also was officially promoted. The prizes were presented at the banquet session June 20 by V. E. Williams, of the Monsanto Chemical Company.

Because of the large number of entrants (187) it was necessary to stage the tournament on two courses So, there were two prizes for low gross scores, the winners being J. L. McMurphy, of the General Electric Company, and Max Gossweiler, of Sandoz Chemical Works. There were also two prizes for closest approach shots and eight kicker's handicap prizes on each course.

There were some 400 persons registered, about 75 percent of whom attended the banquet.

Monday evening there was a special showing of motion pictures in color. The most interesting one was Prairie Wings, a wonderful picturing of the flight of ducks in the Grand Prairie section of Arkansas. The picture was taken by Edgar M. Queeny, chairman of the board of the Monsanto Chemical Company.

Another picture was "Tennessee Holiday," the latest of the offerings of the Esso Standard Oil Company in its depictions of the beauties of the several states. The third was "Gaspe Vacation," featuring mainly salmon fishing in that part of Canada.


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# Textile and Leather Chemicals

Conditions in the textile and leather chemicals market remained on a steady basis last week, with consumers taking fair sized quantities of most items for prompt requirements. Prices were well held at former levels.

The steady advance in the cost of zinc dust resulted in an increase of 1 cent per pound, effective July 1, for sodium and zinc hydrosulphites, and sodium and zinc formaldehyde sulfoxylates. The forthcoming advance in prices brought out an active consuming demand for these materials last week. Other chemicals were without change and steady.

Sizing materials were in moderate request for immediate needs. Potato starch was firmer as producers turned down lower bids for carlots which were accepted a week ago. Sago flour also was stronger due to the higher cost for shipment and supplies on the spot were lifted 1 cent per pound. Corn dextrin and starch moved in good volume, chiefly for actual needs. Tapioca flour was quiet and steadier owing to reduced selling pressure at primary centers.

Consuming inquiry for tanning materials was still spotty, though improvement in the leather situation was expected to bring about a better demand for tanning materials. Improved demand for leather has stiffened the market. Prices were higher and sales of sole leather took place at moderate advances during the past ten days. Some sole leather producers report that they have put a two-year period of inventory liquidation behind them and that stocks of all selections and weights have become well balanced with production. There has been a noticeable shortage in bellies and in some types of shoulders, resulting in higher prices than a month ago.

## Market Trends

**Prices Advanced**

Sago flour, 1c. per lb.

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 223.4 | 222.6 | 225.2 | 286.0 | 317.4 |

(For Current Prices see Page 9)

## Chemicals

**Acetic Anhydride** — Market remained steady at current quotations. Consuming demand continued in fair volume for prompt needs.

**Bichromates**—Demand was fairly active, though consumers continued to restrict demand to actual requirements. Quotations of potash and soda bichromates were well held at current levels. Production of sodium bichromate and chromate totaled 7,452 short tons in April, compared with 7,833 tons in March and 7,105 tons, April last year.

**Sodium Acetate**—Trading was restricted to small lots for immediate delivery. Prices were without change and steady. Supplies were adequate to meet demand.

**Sodium Formaldehyde Sulfoxylate** — Prices were lifted 1c. per pound, effective July 1, owing to the increased cost of zinc dust. Drums will be quoted to 23c. to 23½c. per pound, delivered, depending upon quantity.

**Sodium Hydrosulphite**—The market was firmer and prices were advanced 1c. per pound effective July 1, due to the higher cost of zinc dust. Carlots will be raised to 22c. per pound, drums, freight allowed and less carlots to 22½c. to 24½c., as to quantity. Trading continued fairly active for prompt requirements.

**Sulphonated Oils**—Although the price of tallow was further reduced sulphonated grades were quotably unchanged owing to the high cost of cooperage. Demand continued light for sulphonated tallow and other sulphonated oils.

**Zinc Hydrosulphite**—As a result of the higher cost of zinc dust, prices were increased 1c. per pound, effective July 1. Drums will be advanced to 18¼c. per pound, carlots, freight allowed and to 18¾c. to 20¾c. for lesser quantities.

**Zinc Formaldehyde Sulfoxylate** — This material also reflected the increased cost of zinc dust and prices were raised 1c. per pound, effective July 1. Basic was quoted at 22½c. per pound, drums, works and normal, 44c. per pound, drums same basis.

## Sizing Materials

**Corn Dextrin** — Conditions remained steady, with consumers taking sizable quantities for prompt requirements. Production was sold ahead and readily absorbed on current orders. Quotations for all grades were without change.

**Corn Starch**—Consuming demand continued in fairly good volume, chiefly for actual needs. Prices were unchanged and steady for pearl and powdered grades. Visible corn supply was reduced 580,000 bushels to 40,701,000 bushels for the week ended June 17, compared with 9,673,000 bushels for the same time last year, according to the Chicago Board of Trade. CCC reported corn purchases totaling only 41,500 bushels from July, 1949, to June 16, 1950, compared with millions of bushels of other grains during the same period.

**Corn Sugar**—Demand was light and spotty for tanners sugar. Prices were without change.

**Egg Albumen**—Consuming inquiry has increased and larger quantities were moved for prompt requirements. Prices were unchanged and maintained at former levels. Edible flake was quoted at $1.07 to $1.09 per pound and powdered at $1.11 to $1.13 per pound, according to quantity. Technical also was in better request and was unchanged at 70c. to 80c. per pound, as to quality and quantity. A good inquiry for the latter was reported for export.

**Egg Yolk**—This market remained on a steady basis. Trading was fairly active for immediate delivery. Domestic yolk ranged from $1.09 to $1.12 per pound, according to quantity. Chinese was firmer for shipment, though spot supplies were unchanged at 80c. to 85c. per pound, duty paid, depending upon quantity.

**Potato Starch**—A firmer tone was noted as producers turned down lower bids, maintaining 5¼c. per pound, carlots, f.o.b. Maine. A week ago prices were shaded ¼c. in some instances. Trading was fair for spot delivery at 7c. to 7¼c. per pound, exwarehouse, as to quantity. Idaho starch was unchanged and well held at 5c. per pound, carlots, f.o.b. mills.

**Rice Starch**—Demand was confined to small lots for immediate needs. Market was unchanged at 12½c. per pound, for spot delivery.

**Sago Flour** — Primary market was firmer and shipments were higher and scarce. This was reflected locally and quotations were raised to 6¾c. to 7c. per pound, on spot as to quantity. Supplies here were light.

**Tapioca Flour**—Trading was reported slow. Market was steadier due to less selling pressure for shipment from Brazil. Prices for supplies on the spot were without change. High grades were quoted at 7c. to 7½c. per pound, exwarehouse, as to quantity; mediums, 6½c. to 7c. and low, 5½c. to 6c.

## Tanning Materials

**Chestnut Extract**—Business was reported high and spotty. Prices of domestic extract were without change. Imports of 500 bags of Italian extract was reported at New York last week.

**Cutch**—Tanners showed a good inquiry for replacements. Market for shipment was maintained at 6½c. per pound, exdock.

**Mangrove Bark**—Although trading was slow, the market remained steady. Offers for shipment from South America were held at $62 per ton, exdock. Available supplies of African bark were reported scarce. Arrivals of 789 bags of South American bark was noted at New York last week.

**Myrobalans**—Tanners manifested little interest in shipments from India. Prices were without change and well held at former levels. Arrivals of 1,390 bags were reported at New York last week.

**Quebracho Extract**—Trading continued spotty, chiefly for prompt shipment to replenish light inventories. Quotations were unchanged and well held for all grades. Imports at New York were light last week, totaling 3,980 bags.

**Valonia**—Interest in replacements were reported slow. Cups were held at current levels. Powdered extract also was unchanged.

**Wattle**—Scarcity of bark and extract at primary centers kept supply conditions in this market tight. Prices for both materials were unchanged and firm. Arrivals of 4,445 bales of bark and 1,423 bags of extract were noted at New York last week.

For Late Market Developments, See Page 4

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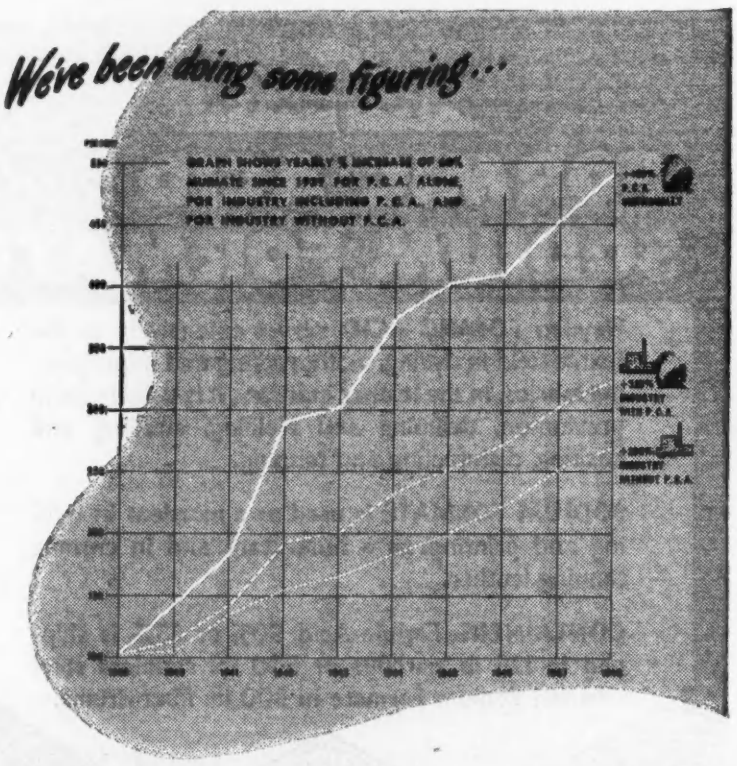
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# Agricultural Chemicals

Dried blood at Chicago was reduced last week bringing the market down to the New York level. There were no other changes in packing-house byproducts and the entire market was a rather tame affair. Fish meal attracted no unusual attention regardless of the late reduction in prices. In the pesticide materials, powdered sabadilla seed and the activated ground with lime grade were advanced sharply as a result of short stocks and DDT was advanced by some of the producers.

Contracts placed for domestic potash have involved a heavy tonnage and bookings for the 1950-51 season are now about completed. No new price changes were announced in ammonium nitrate or sulphate. Some of the distributors of the latter expect a big drop in inventories by July 1 on account of the contract business placed for export. It was stated that ships sailing this week will leave the market practically bare of stocks. Estimates place export sales to total around 120,000 tons including both coke-oven and converters' sulphate. Superphosphate was relatively quiet and so was phosphate rock which is not an unusual occurance at this period of the year.

Foreign fertilizer trade activity continued at record levels during March, according to a compilation of Census Bureau data prepared by The NFA. Exports totaling 382,000 short tons were 50 percent greater than those of March, 1949, while imports totaling 208,000 tons represented a 25 percent increase over those of a year earlier. Exports were higher in each of the major categories, but the increase in imports was due almost entirely to the rise in incoming shipments of potash. First quarter 1950 exports totaled 943,000 tons compared with 637,000 tons in January-March, 1949, while imports totaling 512,000 tons were up 27 percent.

## Nitrogenates

**Ammonium Sulphate**—Sales for export have taken care of a lot of coke-oven sulphate and it is expected that stocks will be substantially reduced by July 1. Production of converters is still being shipped against export account, leaving the supply situation definitely tight at present. March exports amounted to 123,649 tons, against 38,719 for the same month in 1949. Exports for the first quarter totaled 230,953 tons, compared with 92,005 for the corresponding period last year.

**Bone Meal**—Continued relatively quiet with sellers naming $58 per ton for steamed and $62.50 per ton for other grades at producing plant.

**Calcium Nitrate** — March imports amounted to 5,460 tons, compared with 11,052 tons in March, 1949. Total imports for the first quarter of 1950 totaled 17,483 tons, against 17,666 tons for the same period in 1949.

**Cyanamide**—Lower prices will be established for the pulverized mixing grade on July 1. March imports were 9,527 tons, against 13,991 for March, 1949. Total imports for the first quarter amounted to 27,799 tons, compared with 36,576 for the same time last year.

Production of calcium cyanamide in Western Germany is now at 90 percent of capacity. It totals 1,044 metric tons (N content) weekly.

**Sodium Nitrate**—March importations were 68,259 tons, against 82,123 for March last year. Importations for the first quarter amounted to 179,993 tons, compared with 215,881 for the same period in 1949. No unusual activity in the domestic market at present.

Ammonium and sodium nitrates have not been imported into Israel. It is planned to manufacture nitrogenous fertilizers, but production has not begun. The products of a plant making 8,000 metric tons (N content) of nitrogen annually could be easily absorbed by agriculture, the Chemical Industry Committee of the Israeli Ministry of Trade and Industry has stated.

**Tankage**—Priced lower at Chicago at $7 per unit of ammonia; New York quoted this price also. Trading quiet in both areas.

### *Fertilizer Tag Sales: May*

| | Equivalent tons | | |
|---|---|---|---|
| | 1950 May | 1949 May | 1950 Jan.-May |
| Virginia | 66,830 | 56,841 | 485,012 |
| North Carolina | 281,413 | 67,695 | 1,271,596 |
| South Carolina | 44,791 | 20,282 | 693,217 |
| Georgia | 55,502 | 79,499 | 940,487 |
| Florida | 95,459 | 69,448 | 515,579 |
| Alabama | 176,317 | 152,220 | 753,289 |
| Tennessee | 106,499 | 77,528 | 311,393 |
| Arkansas | 80,942 | 49,868 | 260,622 |
| Louisiana | 28,011 | 24,709 | 193,555 |
| Texas | 44,122 | 31,531 | 307,414 |
| Total South | 979,976 | 629,621 | 5,732,164 |
| Indiana | 65,145 | 61,809 | 437,019 |
| Kentucky | 42,720 | 22,315 | 389,097 |
| Missouri | 21,311 | 24,019 | 292,433 |
| Total Midwest | 129,176 | 108,143 | 1,118,549 |
| Grand total | 1,109,152 | 737,764 | 6,850,713 |

## *Market Trends*

**Prices Advanced**

Sabadilla seed, powdered, 10c. per lb. activated, ground with lime, 5c. per lb.

**Prices Reduced**

Dried blood, Chicago, 25c. per unit of ammonia.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 82.2 | 82.2 | 81.2 | 81.6 | 81.6 |

*(For Current Prices see Page 9)*

## Phosphates

**Phosphate Rock**—Export inquiries are in the market. It was stated that Holland requires 100,000 tons and Italy from 50,000 to 75,000 tons. Exports for March included 4,237 tons of Florida hard rock, 103,273 tons of land pebble and 59,508 tons of other rock. Domestic shipments have been confined mostly to contract consumers.

**Superphosphate**—Sales relatively quiet but of seasonal dimensions. March exports of normal were 24,010 tons and 2,778 tons of triple. Total exports for the first quarter included 63,446 tons of normal and 20,460 tons of triple. During the same period in 1949, exports amounted to 132,772 tons of normal and 4,191 tons of triple.

## Potashes

Contracts for domestic production are about completed with bookings substantial for 1950-1951 shipment. March importations were heavy, the total amounting to 57,024 tons, compared with 1,964 tons for the same month in 1949. Imports for the first quarter of this year were 116,731 tons, against 15,946 for the corresponding period in 1949.

Government of Ethiopa has had some difficulty in making arrangements for the exploitation of potash deposits in the northeastern part of the country near the Eritrean border. A concession granted to a domestic enterprise has been sublet to a company representing United States and Swiss interests. Operations are expected to commence in the summer of 1950. Production of potash in 1949 is estimated at 2,000 metric tons, all of which was used domestically for fertilizer.

## Sulphur

Heavy demand has shown no sign of easement over the past month. Stocks have maintained a comfortable position and ample transportation facilities have permitted prompt shipments from mines.

Members of the South Korean Trade Mission are interested in developing export markets for pyrites. There are import possibilities for lacquers, dyes, certain chemicals, and fertilizer for abaca.

## Pesticides

DDT was priced higher by some of the producers. There was no easement in the supply of BHC or DDT, and buyers have shifted attention to some of the newer insecticides which are still available, among these being aldrin which is selling at 97c. per pound in carlots and $1.05 in less, works, freight allowed. Dieldrin is not available in commercial quantities at present but is expected to be in August, the tentative price is $2.66 per pound. Sabadilla seed powdered has been advanced to 70c. per pound and the activated ground with lime is up to 40c. per pound. Pyrethum and rotenone are both finding seasonal outlets with demand described as fully up to normal dimensions. Chlordane has kept about on even beam with requirements but the supply showed signs of tightening at the close of the month.

**DDT**—Market supply definitely tight. Prices were quoted higher by some producers. Technical in fiber drums, carlots, works, was priced at 36c. per pound and l.c.l. same basis at 37c. per pound, freight equalized.

*For Late Market Developments, See Page 4*

## ASAE Hears Report On Waterweed Control

Advances in the use of chemicals to control weeds that clog drainage and irrigation ditches was reported at the forty-third annual meeting of the American Society of Agricultural Engineers, held last week in Washington.

L. S. Evans, of the agriculture department's agricultural research administration, said that use of petroleum or coaltar aromatic solvents for waterweed control has grown rapidly in the west since the first field trials in 1948. Probably the most significant advantage of the method, he noted, is that access to the ditch is required only at the initial injection point and at about half-mile intervals downstream.

Although Mr. Evans reported that the number of treatments needed for effective control during the season vary from one to four, depending on the length of the growing season and the rate of recovery, he pointed out that field experience with aromatic solvents has been too limited to allow any broad generalizations in cost comparisons between chemical and mechanical methods of control.

## Ichthyol Gesellschaft Rights Vested by OAP

In a notice officially published June 21, the Office of Alien Property vested in the Attorney-General of the United States for the benefit of the United States rights and interests of Ichthyol Gesellschaft Cordes, Hermanni & Co. "in and to any and all of the goodwill of the business in the United States of the Ichthyol Company, Rahway, New Jersey, and in and to any and all registered and unregistered trademarks and trade-names appurtenant to said business, and in and to every license, agreement, privilege, power, and writing or understanding of whatsoever kind or nature arising under or with respect to said business, goodwill, trademarks, and tradenames."

## McCloskey Elected President Of Cost Accountants Ass'n

William B. McCloskey, controller of Davison Chemical Corporation, Baltimore, was elected President of the National Association of Cost Accountants for the 1950-51 year, at the annual meeting of the association held in New York on June 20, 1950. The election of officers was held in conjunction with NACA's thirty-first annual international cost conference, held June 18 to 21.

## Pennsalt Appoints Wirwille

James W. Wirwille has been appointed technical sales representative for Pennsylvania Salt Manufacturing Company's agricultural chemicals department. He will represent Pennsalt in Florida, Alabama, Georgia and Tennessee, and will make his headquarters in Montgomery, Ala. Mr. Wirwille comes to Pennsalt from the Department of Agriculture's Beltsville, Md., station, where he was engaged in research work.

### Michigan Chemical Ass'n to Play Host to Other Chapters July 25

Chemical and Allied Industries Association of Michigan will be host to members of the Chicago, St. Louis, Cleveland and Cincinnati association on July 25 at the Birmingham Country Club. The affair, the occasion of the annual competition between Chicago, St. Louis and Detroit for the Fort Dearborn trophy in golf, will terminate with a dinner dance in the evening. As a special feature, guests from all associations will be entertained at a cocktail part on July 24 at 8 p.m. at the Statler hotel, Detroit.


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# Coaltar Chemicals

Price advances made in this market last week were confined to certain of the benzol derivatives, either directly or indirectly, which had not as yet shown the reflection of increased benzol costs. Anilin, as announced in previous issues, moved up 1 cent per pound on spot and becomes effective July 1 on contract at the new higher schedule. Dianisidin was advanced 10 cents per pound, crude and purified dinitrobenzenes were increased 1 cent and 1¼ cents respectively, dinitrophenol moved up 3 cents, and diphenylamine was 1 cent higher.

Shortages continued to characterize the market on benzol, toluol, xylol, solvent naphtha, cresylic materials, and phenol. The major benzol derivatives were accordingly short, such as anilin, the nitrated and chlorinated benzenes, and styrene. Naphthalene and most of its derivatives, with the exception of a few materials like anthraquinone, were abundant. Phthalic anhydride moved in large volume under an improved demand.

Maleic anhydride was firm pricewise under a moderate demand supplied from plentiful stocks Business volume in coaltar chemicals held to a high level, and June business was reported in many quarters to be in excess of last month.

Steel production for the week ended June 24, according to the American Iron and Steel Institute, was scheduled at 101.2 percent of theoretical capacity equivalent to 1,929,100 tons of ingots and castings. The previous week the output was 1,927,200 tons, and one year ago it was 1,555,900 tons. Last week marked the tenth consecutive week in the steel industry's largest cycle of production in history, during which time approximately 19,230,000 tons of steel were produced. This amounted to 657,000 more tons of steel than during the peak ten-week period of 1949 during which the industry operated in excess of the 100 percent of theoretical capacity. This was so because of the greater production capacity of the industry now than a year ago.

## Basic Products

**Benzol**—This market continued to be characterized by heavy demand against an inadequate supply, and a scarcity of the item was expected to be evident in the market for the coming quarter because of the heavy sustained demand for benzol derivatives. Most of the large volume benzol derivatives, but not all of them, were recently advanced in price as a reflection of the June 1 benzol price increase.

**Creosote**—There was no shortage of this material, but its use in the wood preserving industry was of a sufficiently well sustained high volume that producers were not faced with the problem of stocks backing up on them. Prices maintained the stable position which has characterized the market over many months.

**Cresols**—The market on refined cresylics was reported as continuing strong, and there was no evidence of any significant easing of supplies. Accordingly, the shortage which has characterized the market over recent months was expected to continue. Some slight temporary relief was thought a possibility during July and August when a number of the consuming plants undergo vacation shutdowns.

**Cresylic Acid**—Consumption of cresylic acid, particularly that of the low boil type, continued heavy and the pressure of demand was such as to keep supplies tight. A scarcity has been existent in the market over many months, and the high rate of consumption was expected to keep the market short. However, some consuming industries during July and August will shut down for vacation periods, and this might ease the market temporarily. Heaviest pressure of demand stemmed from the resin industry whose operations are largely dependent upon domestic production. Prices on cresylic materials which were advanced for the third quarter by virtue of increased raw material and manufacturing costs were felt likely to hold over the coming months. The general upward cost trend in coaltar chemicals tended to preclude any possibility of a price reduction during the quarter.

**Naphthalene**—Aside from a better seasonal sale of refined material, virtually all of which was of domestic production, there was nothing new to report in this market. Supplies were abundant, domestic production high, imports heavy, and demand well sustained at a high level. Prices were unchanged. Demand for phthalic anhydride production continued strong as this large volume chemical was in better than usual demand for this time of year.

**Phenol**—The overall supply position of both natural and synthetic material was in short supply, and in view of the sustained heavy demand it looked as though it would be several months before there would be a reasonable balance between supply and demand restored to the market. Meanwhile, production was going forward at peak levels consistent with the availability of scarce benzol. Producers were able to turn out enough phenol to take care of the immediate needs of most of their customers, but shipments were moving directly into consuming channels and neither suppliers nor consumers were able to accumulate normal inventories.

Prices at the new higher levels established for the third quarter were expected to hold throughout the quarter because of the high percentage of phenol which moves under quarterly contracts, and because under conditions of increasing costs and scarcity of supplies there was no foreseeable likelihood of prices being reduced during the quarter.

**Pyridin**—Demand was notably slower by virtue of the seasonal nature of many pharmaceutical materials made from refined pyridin. Prices were held to former levels, however, and the currently slower demand had not eased the market to a point where any serious weakness had as yet developed. Some producers were still shipping virtually all that they could produce, although the backlog of orders had disappeared.

**Solvent Naphtha**—Prices on this item were as yet unchanged, and did not reflect the higher price structure effected on pure aromatics. Demand continued to be far in excess of supply and there was no indication of any let-up in the shortage which has been of long standing. Spot shipments were still long delayed.

**Toluol**—Supplies were regarded as short of the overall demand, and coaltar material was viewed as tight under the heavy pressure of demand. Contract customers were being taken care of with reasonable promptness in equitable amounts, but spot material, if available at all, was delayed.

The preliminary 1949 production total figures from various sources were a bit confused. Preliminary production figures released by the Tariff Commission in March, and reports by OPD indicated that cokeoven production amounted to 26,924,506 gallons, and production from all other sources amounted to 42,093,896 gallons, making a grand total of 69,018,402 gallons. However, figures compiled by the chemical division of the Tariff Commission and issued in May indicated that the production of toluol from petroleum and natural gas totaled 348,823,000 pounds, which would be equivalent to 48,308,750 gallons. Meanwhile, the total 1949 cokeoven production of toluol was reported by the Bureau of Mines as 26,932,260 gallons. These two figures taken together amount to a grand total of 75,241,010 gallons, a per-

### *Market Trends*

**Prices Advanced**

Anilin, 1c. per lb.
Dianisidin, 10c. per lb.
Dinitrobenzene, crude, 1c. per lb.
purified, 1¼c. per lb.
Dinitrophenol, 3c. per lb.
Diphenylamine, 1c. per lb.

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 107.8 | 107.7 | 104.3 | 110.1 | 114.7 |

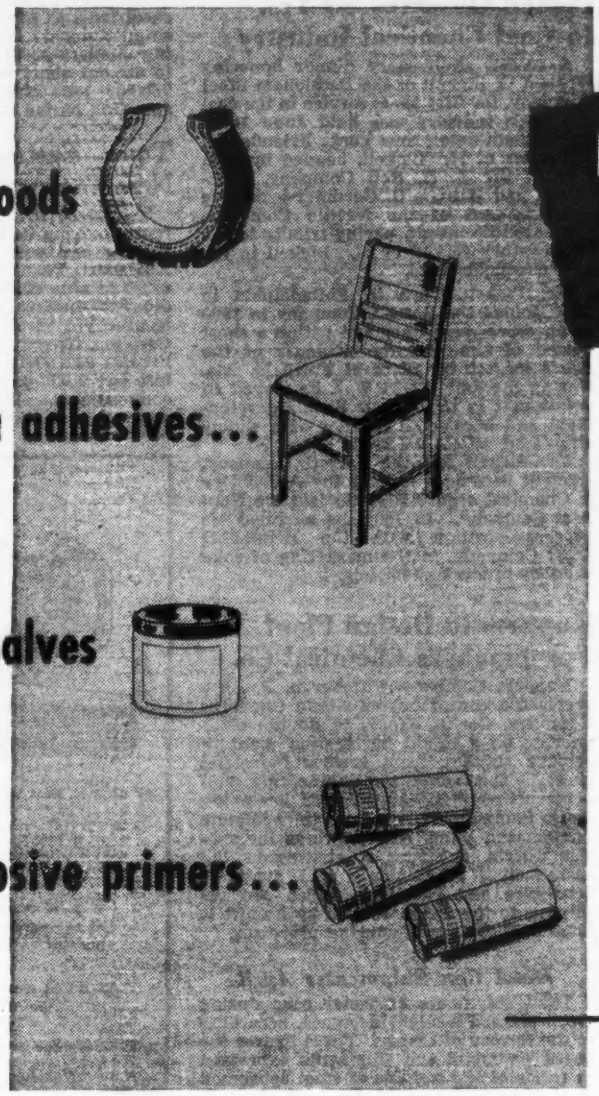
(*For Current Prices see Page 9*)

### *Coke By-Products*

Estimates of by-product cokeoven operations in the week ended June 10 indicate the following output of by-products from that source:—

| | | |
|---|---|---|
| Ammonia liquid $NH_3$ | lbs. | 1,067,053 |
| Ammonia sulphate | lbs. | 27,631,064 |
| Benzol | gals. | 3,481,963 |
| Coaltar | gals. | 12,916,961 |
| Creosote oil | gals. | 718,856 |
| Naphthalene, crude | lbs. | 1,709,285 |
| Phenol | lbs. | 202,178 |
| Toluol | gals. | 696,392 |
| Xylol | gals. | 157,249 |

*For Late Market Developments, See Page 4*

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haps more accurate indication of the total 1949 output.

**Xylol**—Prices were firmly established, supplies from an overall point of view were scarce, and coaltar source material was very tight, unchanged from the situation which the heavy pressure of demand has created in the market over recent months.

Preliminary xylol production figures for the year of 1949 were somewhat confused. The preliminary total production from all sources released by the Tariff Commission in March amounted to 52,395,115 gallons. In May the Tariff Commission released production figures on material made from petroleum and natural gas as amounting to 356,122,000 pounds, which would be equivalent to 49,461,390 gallons. Meanwhile, the Bureau of Mines reported total cokeoven output for the year as 7,121,531 gallons. The latter two figures added, give a total production figure for the year of 56,582,921 gallons, which is perhaps a more accurate indication of the total xylol output for last year.

## Intermediates

**Anilin**—Available spot material and contract material effective July 1 was scheduled at prices up 1 cent per pound from those which prevailed during the second quarter. Under the new schedule tankcars were quoted at 15 cents per pound, drum carlots at 16 cents, and less than carlot drum quantities at 17 cents.

This price increase was effected to partially offset the increased raw material and manufacturing costs arising from the increased costs on benzol and the high price of iron filings. The overall cost of benzol for anilin production had been and continues to net more than the 3 cents per gallon, which was the amount of the price advance effected by domestic benzol producers. This was so because of the scarcity of the item, necessitating purchase of substantial quantities of benzol from foreign sources or from petroleum producers at high prices ranging from 50 to 100 percent over the domestic price of the material; or, the purchase of domestic benzol at distant points involving heavy freight charges. Scrap iron prices have recently soared, but last week tended downward a bit.

**Dianisidin**—The price structure of this item was advanced 10 cents per pound last week, moving up from $1.65 to $1.75 per pound as a result of increased raw material, manufacturing, and transportation costs, which had accumulated to a point where an upward price adjustment was made necessary. Supplies were felt to be adequate to take care of the steady moderate demand.

**Dinitrobenzene** — The higher cost of benzol was last week reflected in an increased price of dinitrobenzene, the crude advancing 1 cent per pound, and the purified 1¼ cents. This brought the new price schedules to 17 cents per pound on the crude and 18½ cents on the purified grade.

**Dinitrophenol** — Following the higher price schedules effected on benzol, and accordingly on phenol, the increased cost of these basic materials accumulated into a rising cost structure on this item necessitating a price advance. The price was not advanced on the previous increased benzol-phenol upward adjustments, and accordingly the costs on dinitrophenol had reached a point where selling prices were so far out of line that an upward revision of 3 cents per pound had to be effected. Under the new price schedule, drums were listed at 31 cents per pound.

**Diphenylamine** — Higher raw material costs resulted in a 1 cent per pound increase in the price position of this item last week. Drums which had formerly been quoted at 26 cents per pound were now listed at 27 cents.

**Maleic Anhydride**—June 15 came and went, but there were no price changes announced on this item, despite the 3 cents per gallon increase in the price of benzol. The higher benzol costs were being absorbed by manufacturers, in view of the fact that supplies were abundant against which there was hardly more than a moderate demand, making the item highly competitive.

**Methylcyclohexanol** — Current price schedules effective June 15 on this item were advanced 1½ cents per pound. Under the new schedule tankcars were quoted at 24½ cents per pound, drum carlots at 25½ cents, and less than carlot drum quantities at 26½ cents. These prices were on an f.o.b. works basis. Back of the price rise were increased raw material, manufacturing, and shipping costs which had accumulated to a point which threw the selling price out of line with production costs.


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## Bickell Observes 50 Yrs. In Coal Chemical Industry

A golden anniversary dinner honoring William G. Bickell of the Bethlehem Steel Company, for fifty years service in the coal chemicals industry was held June 16 at the Gotham hotel, New York. Friends and associates of Mr. Bickell, headed by Sam Bell of the S. H. Bell Company, Pittsburgh, and William S. Gardiner executive vice-president of the Neville Company, sponsored the event, paying tribute to the half century served by Mr. Bickell in the coal chemicals field.

Mr. Bickell, born in Philadelphia in 1884, joined the Barrett Company in 1900 as an office messenger and within a short period of time became manager of the firm's largest tar plant at Fairfield, Ala. During the first World War, he played an active part in the Muscle Shoals development and became the author of a widely circulated article on TNT.

Mr. Bickell left the Barrett Company, when it became a part of the Allied Dye & Chemical organization, to join the Koppers Company. In 1931, he assumed his present position with the Bethlehem Steel Company, in the marketing of coke oven by-product chemicals.

## Koppers to Design Plant For Japanese Chemical Co.

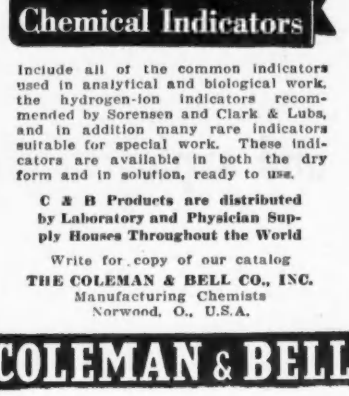
Koppers Company, Pittsburgh, Pa., has received a contract from Nissin Chemical Company, Osaka, Japan, to do the engineering on a liquid purification plant to remove sulphur from various industrial gases. The concern's engineering and construction division, which is beginning work immediately, expects to complete engineering plans and drawings for sub- The Nissin company specializes in the manufacture of sulphuric acid, synthetic fertilizers and chemicals which are remission to the Japanese firm by August 1. lated to these manufacturing processes.

### *Metal Can Shipments: April*

Total shipmeuts of metal cans during April showed a slight decrease, according to the Bureau of Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of March, metal can shipments on this basis amounted to 222,788 short tons, as compared with 236,413 tons shipped during February. Shipments during January-April of this year amounted to 866,667 short tons, however, as against 789,568 tons shipped during the corresponding period of 1949.

## Tenn. Eastman Offering New Tankwagon Service

Tennessee Eastman Corporation is currently making tankwagon delivery of plasticizers and solvents from its plant at Kingsport, Tenn. The new service affects users in nine states of the south and middlewest—Indiana, Ohio, West Virginia, Kentucky, Virginia, Tennessee, North Carolina, Georgia and South Carolina. Deliveries are made in tank trailers divided into two 1,000-gallon and three 500-gallon compartments. The company expects to apply this method of delivery to several other chemicals in the Eastman line.

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### Dewey & Almy President Opens Notre Dame Science Symposium

The knowledge and processes gained by science and industry from developing the weapons of modern warfare can help build a better world instead of destroying it, Bradley Dewey, president of Dewey & Almy Chemical Company, Cambridge, Mass., told a South Bend, Ind., audience last week. Mr. Almy, who is chairman of the Notre Dame advisory council for science and engineering and was also rubber director during World War II, was the opening speaker on a symposium of "Science and Society."

## Obituaries

### Almon L. Beall

Almon L. Beall, assistant chief engineer of the Wright Aeronautical Corporation, Woodridge, N. J., died June 17 at Packanack Lake, N. J. He was sixty years of age.

He joined the Vacuum Oil Company, later the Socony-Vacuum Oil Company, New York, in 1924 and did extensive research in aviation fuels and lubricants. He became a member of the staff at Wright's in 1933, working for that concern on the development of spark plugs for air-cooled motors.

### Douglas A. Lockwood

Douglas A. Lockwood, manager of the southern division of the building materials division of the Flintkote Company, New Orleans, La., died June 21 in that city. He was forty-four years of age.

Mr. Lockwood joined the Flintkote company in 1930 as a salesman. He was named manager of the Atlanta, Ga., sales office in 1947 and the following year was transferred to New Orleans.

**Sven E. Anderson,** formerly with the still division of the Bayway refinery of Esso Standard Oil Company at Linden, N. J., died June 19 at his home in Elizabeth, N. J. He was eighty-one years old.

**Joseph A. Baumert,** director and secretary of the W. H. Loomis Talc Corporation, Gouverneur, N. Y., died June 18 in Antwerp, N. Y. He was seventy-five years of age. He was formerly head of the Baumert Cheese Company, Antwerp, and owned the Antwerp Light & Power Company and the Antwerp Grist Mill.

**Dr. William M. Berg,** founder of the biological laboratories bearing his name, died June 20 in New York. His age was sixty-nine. Dr. Berg did research work for the Department of Agriculture until 1922, when he established Berg Biological Laboratories, which he headed until his retirement in 1940.

**Carl A. O. Bergmann,** chemical engineer and inventor of the Merci Bullet, died June 17 at his home in Essex Fells, N. J. He was fifty-four. Mr. Bergmann's invention, patented in 1926, was a bullet that carried a powerful anesthetic, which when fired from small arms was designed to pierce only the hides of animals and numb them sufficiently to make capture easy.

**Charles A. Brown,** sales manager of the Anti-Hydro Corporation, Newark, N. J., died June 20 in Union, N. J. He was sixty-two years old.

**David Egen,** co-owner of the Standards Laboratory, New Rochelle, N. Y., died June 18 in that city. He was forty years old.

**Dr. Fabius Gross,** Austrian-born ichthyologist who successfully experimented in speeding the growth of fish, died June 19 at Edinburgh, Scotland. He was forty-four. Rector of the Marine Biological Station of the University of Wales, he conducted experiments with Sir John Graham Kerr during the recent war when British fish supplies were threatened.

**William L. Macatee,** retired traffic manager of the Texas Company, New York, died June 16 in St. Petersburg, Fla. He was sixty-four years old. He served with the company in New York from 1917 until his retirement in 1948.

**Walter Myers,** retired superintendent of the American Aniline Chemical & Extract Company, Philadelphia, died June 18 in Hammonton, N. J. He was seventy years old.

**Dr. Philip Newton,** physician and pharmacologist, died June 18 in New York. He was sixty-five years of age.

**Nicholas J. Schweitzer,** for twenty-six years an employee of the Bayway refinery of the Esso Standard Oil Company at Linden, N. J., died June 20 in Elizabeth, N. J. He retired two years ago.

**J. Alexander Stryker,** president of the Goodyear Rubber Products Corporation, Newark, N. J., died June 20 in Irvington, N. J. Mr. Stryker had been head of the rubber company since 1924.

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# Drugs and Fine Chemicals

Price movements in this market last week were confined to food and drug materials, with the large volume organic chemicals holding firm. Vitamin B-12 was sharply reduced by virtue of economies effected through improved manufacturing methods. Cocoa butter reflecting a weaker commodity market and more ready availability, declined 3 cents per pound. Menthol, usually slow at this time of year, had been soaring as a result of short spot supplies, but last week declined 20 cents per pound under stress of a slackening demand in the face of an easing of supplies by material due to soon arrive. Picric acid of the NF grade was advanced 8 cents per pound in barrel quantities.

Heavy solvent demand characterized the market in esters, alcohols, ketones, and others all of which were adequately available with the exception of fermentation source amyl materials. Prices were steady except for a general increase in drum price differentials most of which become effective July 1.

Large volume business was being done this month in formaldehyde, pentaerythritol, glycerin, and most of the heavy volume aliphatic organic chemicals, but some easing in demand was expected during July and August when many consuming plants close down for vacation periods.

Salicylates were said to be steady, moving in good volume at the higher price levels established early in March. Glycerin was in reasonable balance with demand, but crude was scarce. A weakening in the market for mandrake root failed to produce any effect in the apparently firm price structure of podophyllin. Castor beans were unchanged from former levels with trading light.

A strike in the plants of a leading drug and chemical manufacturer were currently holding up shipments. Business in most pharmaceutical items was said to be seasonally slow.

**Acid, Picric**—NF material packaged in 300 pound barrels was increased in price last week from its former level of 42c. per pound to the new level of 50c. per pound. Technical material was unchanged, the 8c. advance applying only to the NF grade. In smaller quantities the NF material packaged in 25 pound drums was quoted at 87c. per pound for a single drum, with prices ranging down to 81c. per pound for 10 drums of 25 pounds each. Demand was limited, and supplies quite adequate.

**Alcohol**—Prices were well established at the higher levels effected the previous week for spot material and July 1 on contract material. Supplies of alcohol were getting short with some producers, and none were said to be in a long supply position. Prospects for the months immediately ahead were somewhat bleak so far as supplies were concerned because of the shortage of molasses. The Cuban crop was reported all sold, with no more available until the new crop comes in late in January and early February.

Accordingly, producers who were not well covered on molasses were hampered in the amount of production they could turn out over the intervening months. Molasses from other sources than Cuba was limited. The overall supply situation was benefited by the steadied influence of substantial synthetic alcohol production which amounts to well over half of the total alcohol output. Based on the last half of 1949, if redistilled production is included in the total, which from a strict production standpoint it should not be, synthetic alcohol accounts for 56 percent of the total output. If alcohol obtained by redistribution is not included in the total production figures, then the synthetic production accounts for 63.7 percent of the total output. Estimated figures for this fiscal year indicate that these percentage figures will be 58 percent and 65.8 percent respectively.

**Aloin**—Higher cables from the origin brought a stronger and slightly higher spot price on Cape aloe. Under this strengthening of raw material, the derived product showed added firmness and lessened tendency to yield price position even under competitive conditions.

**Castor Oil**—Oil prices were unchanged, and beans were still quoted at $115 per long ton.

Imports last week totaled 53,919 bags equivalent to 8,087,850 pounds, compared with 1,907 bags or 286,050 pounds the previous week, and 5,572 bags or 835,800 pounds during the corresponding week of 1949.

Total arrivals at United States ports since January 1 of this year amounted to 744,050 bags equivalent to 111,607,500 pounds, compared with 873,667 bags or 131,050,100 pounds during the corresponding period of last year.

**Cocoa Butter**—The spot market ranged rather widely last week, the quote being 56c. to 60c. per pound depending on supplier and quantity. It appeared that the recent rise had been overdone and while occasional shortage in prompt delivery butter was to be expected, at this writing the article was available in better than fair quantities. Occasional downward movements in the price of beans was also an influence making for a market more favorable to buyers than it had been in the near past.

**Ethyl Acetate**—The NF grade of material sold in drum quantities was priced at 25c. per pound. Supplies were abundant, and demand limited.

The solvent grades of ethyl acetate were unchanged in price except for the ¼c. per pound higher drum schedules resulting from an increase in differentials between tankcar and drum prices from the former 1½c. to the new 1¾c. differential. This was reported the previous week, and was the result of a similar price adjustment made on a wide range of ester, alcohol, ketone, and ether solvents, some of which are effective at once on spot, but most of which are not effective until July 1.

Demand for the acetate remained strong and there was an ample supply from which prompt shipment could be made. Business volume in June was said to be holding up well, but by reason of some consuming plants closing down in July and August for vacations, a slight let-up was expected during these months.

**Formaldehyde**—Demand kept up to the strong position it has maintained over recent months. June business was said to be likely to equal, if not surpass May, according to some quarters. Some reduction in consuming demand was expected during July and August when some plants close down for vacations. Prices were firm at levels prevailing in the market over the last 18 months. Supplies were abundant by virtue of the ample availability of methanol and the large plant capacity of the country.

**Menthol**—Lack of demand of a price supporting kind probably accounted for a shading of spot quotations to the basis of $11.80 to $12 per pound during the past week. Also, more menthol was available in local circles and more is due to arrive here, especially from Brazil, in the month of July. Current quotations applied to menthol originating in either China or Brazil. It was stated that the late advance in spot quotations had been caused by the delay in arrivals of new crop goods made in Brazil. This delay permitted spot stocks to run down to a more than ordinary degree and when a moderate demand did appear, it was sufficient to make the understocked item more valuable when delivery had to be prompt. The present season is usually the slowest of the menthol year.

**Methanol** — Natural methanol production was reported by the Bureau of Census for April as amounting to 166,000 gallons, compared with 197,000 gallons in March and 166,000 gallons in April of last year.

**Methyl Salicylate**—Supplies were reported as abundant from which there was a steady stream of shipments in moderate amounts. Prices were firm at the higher levels established several weeks ago in which 500 pound quantities were quoted at 42 cents per pound and smaller lots ranged from 47 to 50 cents per pound depending upon quantity.

**Milk Powder**—Purchases of skimmed milk powder at parity prices by CCC for the week ended June 15, amounted to 10,298,383 pounds of spray process material and 4,439,463 pounds of spray process material. This brought total skimmed milk

*For Late Market Developments, See Page 4*

## *Market Trends*

**• Prices Advanced**

Acid, picric, NF, 8c. per lb.

**Prices Reduced**

Cocoa butter, 3c. per lb.
Menthol, 20c. per lb.
Vitamin B-12, $1.53½ per mg.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 257.0 | 257.6 | 257.6 | 254.4 | 262.6 |

*(For Current Prices see Page 9)*

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powder purchases by the government so far this year to 219,236,490 pounds, compared with 196,755,683 pounds during the corresponding period of last year.

**Para-acetylaminobenzaldehyde Thiosemicarbazone**—This new drug used in the treatment of tuberculosis was available commercially for manufacturing use. In lots of 1,000 pounds, packaged in 100-pound drums, on a freight adjusted basis, prices were quoted at $17.50 per pound. Smaller lots ranged from $20 per pound to $21.

**Pentaerythritol**—Production of this item was maintained at a high level in order to supply the steady large volume demand. Supplies were adequate by virtue of ample plant capacity and the abundance of formaldehyde. Prices were unchanged from levels which have held stable over a long period. Business volume was reported to be excellent this month and compared favorably with May. Some slowing up of demand was expected during July and August when some consuming plants close down for vacation periods.

**Podophyllin**—Prices on this resin remained unchanged despite the fact that a substantial decline has taken place in the price for mandrake root. Buying prices for the raw material are about those of a year ago—or were so around June 1. The small stock of root being carried over into the new collection season has been revalued downward progressively by those offering the item to the podophyllin manufacturers and to the exporters who supply the foreign manufacturers. At one time, 45c. per pound was asked. Today, a carlot could be bought around 30c. in the country but certainly not out of spot stocks. The large contract business is usually done with the source.

**Propyl Alcohol**—Normal propyl alcohol in tankcars was quoted at 6½ cents per pound on an f.o.b. works basis, or 8 cents per pound delivered. The differential between carlots and tankcars was increased by ¼ cent per pound in line with price differential adjustmen.s generally on solvents. This brought drum carlot quotations to 8¼ cents per pound on an f.o.b. works basis and 9¾ cents on a delivered basis. In less than carlot drum quantities, the item was quoted at 9¼ cents works, or 10¾ cents delivered.

**Propylthiouracil**—Quantities of 50 kilograms or more were quoted at $55 per kilo, while smaller quantities ranged from $55.10 to $55.30 per kilo depending upon quantity. Demand was reported as steady in limited quantities, and was being promptly shipped from adequate stocks.

**Riboflavin**—USP and readily soluble material were firmly quoted at $125 per kilo, unchanged from levels which have characterized this stable market over a long period. Demand was reported as steady and was being supplied from ample stocks by prompt delivery.

**Santonin**—Stocks were as scarce as ever and for the most part the spot was con-

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sidered to be a nominal market so far as supply and price were concerned. Russia was reported still confining its sales to the Far East where around $300 per kilo is understood to have been paid the Russian suppliers.

**Silver Salts**—The complete stability of prices on silver bullion over the past several weeks accounted for the equal stability governing such silver salts as cyanide and nitrate. Demand for the nitrate was seasonably expansive and active.

Production of this item in April was reported by the Bureau of Census as 4,153,000 ounces, compared with 4,114,000 ounces in March and 3,446,000 ounces in April of last year.

**Sugar**—Primary sugar distribution for the week ended June 10 was 161,246 short tons on a raw value basis, compared with 160,766 tons the previous week. This brought total distribution so far this year to 3,171,885 tons, compared with 3,082,524 tons during the corresponding period of last year.

**Vitamin B-12**—Crystalline material was drastically reduced in price last week by $1.53½ cents per milligram. By reason of improved manufacturing methods developed through research, the maker stated, manufacturing costs had been reduced to a point where in 25, 100, and 500 milligram bottles the price per milligram could be reduced from its former level of $2.52 to a new low of 98½ cents per milligram. Supplies were reported as adequate from which prompt delivery could be made.

## Gair Co. Canada Elects Whitten Pres., Gen. Mgr.

Gair Company Canada, Toronto, has elected Charles E. Whitten president and general manager to succeed the late George W. Brown. Formerly vice-president and treasurer, Mr. Whitten has been with the Gair company since its inception. W. Russell Eccles, former assistant treasurer, was named treasurer. Harold L. Steele was elected to the board of directors to fill the vacany left by Mr. Brown's death.

## Queen Chemical Acquires J.D. Processing Company

Queen Chemical Company, Brooklyn, has acquired the J. D. Processing Company and will continue to offer solvent recovery service. S. M. Sloat will direct activities of the new firm at 93 Georgia avenue, Brooklyn.

## Pfizer Names Rooney N. J. Agent

Charles Pfizer & Co., Brooklyn, N. Y., has named George B. Rooney New Jersey representative for the firm's antibiotic division. Currently doing graduate work at Rutgers University, Mr. Rooney was formerly associated with Merck & Co., Rahway, N. J., and more recently with the William S. Merrill Company, Cincinnati, Ohio.

### *OPD Correction*

Through error, OIL, PAINT AND DRUG REPORTER reported last week that the Carlstadt plant of Gane & Ingram, Inc., would be closed for vacation. This notice should have stated that the plant of Gane's Chemical Works, Inc., 641 Broad street, Carlstadt, N. J., will be closed July 22 through August 6, shipments being made during that period from the company warehouse at 45 West Sixteen street, New York.

## *Trade Briefs*

**Martha Kuhlwein,** of White Laboratories, Newark, N. J., is now treasurer of the Association of Personnel Women.

**Helena Rubinstein**, New York, has introduced two new dandruff control preparations, a lotion for oily hair and one for dry hair.

**Louise Phillips,** of Hoffmann-La Roche, Inc., Nutley, N. J., has been elected secretary of the Association of Personnel Women.

**Masonite Corporation**, Chicago, is offering upon request a bulletin entitled "Absorbo-Cel," which describes the preparation and uses of a highly absorbent, purified grade of lignin-enriched cellulose.

**Sereck H. Fox,** technical director of the gelatin products division of R. P. Scherer Corporation, Detroit, Mich., has been awarded the honorary degree of Doctor of Science from the Philadelphia College of Pharmacy and Science.

**Dr. H. E. McClure,** formerly with the United States Public Health Service, has been assigned to carry on special research work in Japan on encephalitis for the University of Pittsburgh in collaboration with the army.

## Breon to Open Chicago, Dallas Shipping Branches

George A. Breon & Co., Kansas City, Mo., will open two new shipping branches on July 1, one in Chicago and the other in Dallas, Tex., to take over the shipping operations previously conducted from the firm's home office. According to a company statement, the move was decided upon to give better customer service in states previously served out of Kansas City. Address of the Chicago branch is 445 Lake Shore drive, while the Dallas branch is located at 2615 West Mockingbird lane.

## Diketan Opens New Plant

Diketan Laboratories, Inc., Culver City, Calif., has opened a new manufacturing plant. E. D. Reason, formerly general manager of the E. S. Miller Laboratories, Inc., Los Angeles, has been named general manager of the new Diketan unit to direct production operations of the firm's line of vitamins, minerals and other pharmaceutical products. The plant has a rated output of mroe than 25,000,000 compressed tablets per month.


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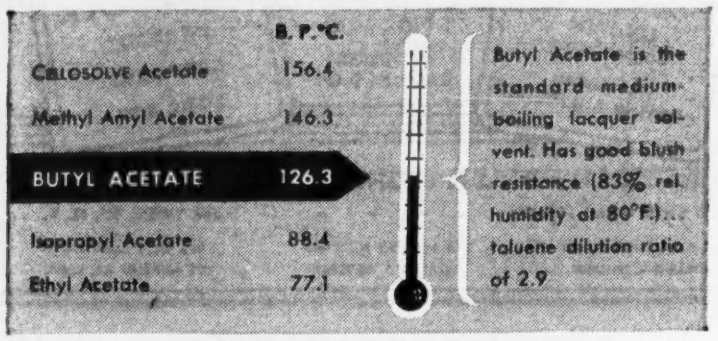
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## Walker New Secretary Of Research Board

Dr. Eric Walker will become executive secretary of the Research and Development Board August 1, to succeed Dr. Robert F. Rinehart, who is returning to Case Institute of Technology as a professor of mathematics. Dr. Walker will be on leave from Pennsylvania State College, where he is director of the ordnance research laboratory and the head of the electrical engineering department. He has been associated with the board during the past year as a consultant to its committee on electronics. He will be working with Dr. Rinehart on a part-time basis during June and July.

## HIF Names Dr. Hellman; Forms Board of Directors

Dr. Alfred H. Hellman, former president of the Medical Society of the County of New York, has been appointed medical consultant to the Health Information Foundation. At the same time HIF president W. H. P. Blandy announced that a new twenty-nine man board of directors, replacing the organizing board which established the foundation last February, had been formed.

## Toni Co. Names Brandt

Toni Company, a division of the Gillette Safety Razor Company, Boston, Mass., has appointed Dr. Joseph H. Brandt director of research. Dr. Brandt at present holds a similar post with the Bates Manufacturing Company.

### Schering Names Laboratories Pharbil Benelux Distributor

Schering Corporation, Bloomfield, N. J., has appointed Laboratories Pharbil, Brussels, Belgium, distributor and processor of the Schering line of preparations in Belgium, Holland and Luxemburg. The move, which will make the company's specialties more readily available in the Benelux area, will implement Schering's intention to expand into European markets with extensive locally based pharmaceutical service.

### Food Research Labs Acquires Building, Increasing Space 75%

Food Research Laboratories, Inc., Long Island City, N. Y., has acquired an adjoining building which will increase the effective laboratory space by approximately 75 percent. The concern stated that the expansion move was made necessary by the increasing activity of the laboratory in toxicological problems relating to the introduction of new chemicals in the production and preservation of food.

### Dow Issues Pharmaceutical Catalog

Dow Chemical Company, Midland, Mich., has issued a new pharmaceutical chemical catalog. The publication lists the complete Dow line of pharmaceutical chemicals and intermediates and includes information on structural formula, synonym, properties, solubility, specifications, packing, shipping classification and uses of the chemicals. Distribution of the catalog will be handled through Dow sales offices.

### Tetraethyl-Ammonium Bromide, Thiosalicylic Acid Offered

Medical Chemicals Corporation, 4122-24 West Grand avenue, Chicago 51, Ill., has begun commercial production of thiosalicylic acid and tetraethyl-ammonium bromide.


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## ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period June 16 to 22 were the following:—

To Austria—$600,000 for chemicals, $350,000 for medicinals, $140,000 for nonmetallic minerals, $120,000 for tinplate, and $50,000 for vegetable tallow and waxes from the United States; $62,000 for chemicals and $800,000 for hides and skins from Latin America.

To Belgium-Luxemburg—$1,000,000 for chemicals and $200,000 for rubber products from the United States.

To Denmark—$200,000 for industrial chemicals other than alcohol, $102,000 for chemical preparations and $400,000 for zinc from the United States; $400,000 for copra cake or meal from the Philippines and $30,000 for zinc from Latin America.

To Germany—$2,025,000 for chemicals, $303,000 for nonmetallic minerals, $2,000,000 for hides and skins and $1,600,000 for linseed oil from the United States; $5,319,000 for petroleum from the Middle East and Latin America; $350,000 for nonferrous ores and concentrates from China, Siam and Korea.

To Greece—$100,000 for chemical preparations, $25,000 for chemical preparations other than alcohol and $50,000 for nonmetallic minerals from the United States; $1,200,000 for petroleum from the Middle East.

To Iceland—$40,000 for chemical preparations, $30,000 for industrial chemicals other than alcohol, $34,000 for copper products, and $100,000 for petroleum from the United States.

To Ireland—$1,200,000 for petroleum from Latin America and the Middle East.

To Italy—$500,000 for nickel from the United States; $1,000,000 for copper from Japan, and $1,650,000 for copper from Latin America.

To Netherlands—$132,000 for chemical preparations, and $12,000 for crude drugs from the United States.

To Norway—$963,000 for flaxseed from the United States and $2,280,000 for petroleum from Latin America.

To Portugal—$682,000 for petroleum and $220,000 for copper from the United States; $4,200,000 for petroleum from the Middle East and Latin America.

To Sweden—$400,000 for petroleum from the Middle East.

To United Kingdom—$4,000,000 for petroleum and $500,000 for nonferrous ores and concentrates from the United States; $11,000,000 for petroleum from Latin America and the Middle East.

## ECA Offers Directory Of Netherlands Importers

Economic Cooperation Administration has made available a directory of Netherlands importers, designed to assist American business firms seeking to trade with that country. Prepared by the ECA mission to the Netherlands, the directory lists all Netherlands importers under the ECA program together with an index of some thirty different commodity categories in which they specialize. The publication may be obtained by writing ECA's office of small business, Washington 25, D. C.


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1. Source of sulfocyanide radical in making synthetic aromatics, pharmaceuticals, synthetic dyestuffs, and other chemicals.
2. For making hydrocyanic acid gas.
3. Ingredient of detonators and explosives of various sorts, matchhead composition, primers, etc.
4. Ingredient of brassplating electrolytes.

★ **Mercuric Thiocyanate,** Pure
Used as intensifier in photography.

★ **Potassium Thiocyanate,** C.P.
1. Process material in making cellulose acetate, synthetic dyestuffs, and various chemicals.
2. For making artificial mustard oil, cyanides, sulfocyanides, ferrocyanides, and thioureas.
3. Ingredient of bismuth and cadmium electrolytes.
4. For making pigments for paints.
5. Ingredient of low-freezing solutions in refrigeration.
6. Process material in dyeing and printing processes.

★ **Sodium Thiocyanate,** C.P.
1. For making other thiocyanates, especially organic.
2. Process material in dyeing and printing textiles.

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# Imports at United States Ports

## New York

ABURAGAREI LIVER OIL—3 dms, Transocean Commerce, Yokohama
3 dms, Consumers Import Co, Yokohama
ACETOPHENETIDIN—12 dms, Lo Curto & Funk, Rotterdam
ACRYLONITRILE—1 cs, Monsanto Chemical, Bremen
AGARIC—11 bgs, Chase National, Leningrad
ALUMINUM SULPHATE—400 bgs, Charles Tennant Sons, Liverpool
AMMONIUM CARBONATE—30 dms, Amer British Chemical, Glasgow
20 cs, Amer British Chemical, Glasgow
ANISE SEED—125 bgs, C M Van Sillevoidt, Istanbul
OIL—10 dms, Magnus, Mabee & Reynard, Hong Kong
5 dms, Otto Gerdau, Hong Kong
ANNATTO SEED—116 bgs, Manufacturers Trust, Callao
ANTIMONY, CRUDE—94 bxs, Cerro De Pasco Copper, Callao
ORE—1,469 bgs, Charles Tennant, Antofagasta
ARABIC GUM—500 bgs, Central Hanover Bank, Port Sudan
750 bgs, Brown Bros Harriman, Port Sudan
250 bgs, Guaranty Trust Co, Port Sudan
1,368 bgs, National City Bank, Port Sudan
508 bgs, Manufacturers Trust Co, Port Sudan
150 bgs, Port Sudan
125 bgs, Meer Corp, Colombo
161 bgs, Max Van Pels, Colombo
500 bgs, Penn Textile Corp, Antwerp
ARECA NUTS—160 bgs, R J Prentiss, Colombo
ARGOLS—1,068 bgs, Tartaric Raw Materials, Marseilles
ARSENIC, METALLIC—40 dms, London
ASBESTOS FIBER—1,360 bgs, Beira
1,680 bgs, Johns Manville, Beira
1,300 bgs, Johns Manville, Lourenco Marques
ASPHALT—1,020 bgs, National City Bank, Havana
AZOISOBUTYRICDINITRILE—4 cs, Southampton
BABASSU OIL—311 tons, Colgate-Palmolive-Peet, Sao Luiz Do Maranao
BARBASCO ROOT—1,728 bls, R E Valensu, Belem Para
949 bls, J H Rossbach, Belem Para
BARIUM NITRATE—27 cks, Leading Forwarders, Glasgow
BEESWAX—30 bgs, Will & Baumer Candle Co, Santiago
33 bls, Hamilton & Co, Progreso
392 bgs, Hudson Shipping Co, Rio de Janeiro
9 bgs, Porcella Vicini, Puerto Plata
16 bgs, Schutte & Focke, Ciudad Trujillo
34 bgs, Geck Trading, Ciudad Trujillo
24 bgs, Bank of Manhattan, Port Au Prince
36 bgs, J Henry Schroeder, Beira
BERGAMOT OIL—60 hlf cs, Lo Curto & Funk, Messina
4 hlf cs, Antoine Chiris, Messina
BERYL ORE—3,000 bgs, Berks County Trust Co, Cabedello
495 bgs, Beira
BILE, CATTLE—16 dms, Vera Cruz
BISMUTH—17 cs, J W Hampton, Yokohama
35 bxs, Cerro De Pasco Copper, Callao
BRUCINE—4 cs, Lo Curto & Funk, Glasgow
ALKALOID—5 cs, Perry Ryer, London
CALCIUM HYPOPHOSPHITE—2 kgs, Brauner & Co, London
CAPSICUMS—241 bgs, Newtown Jackson, Lagos
2,441 bgs, John Holt, Liverpool
CARAWAY OIL—2 dms, Magnus, Mabee & Reynard, Rotterdam
SEED—100 bgs, Catz American, Rotterdam
CARBON POWDER—54 bgs, Morganite Inc, Liverpool
CARBORUNDUM—20 bricks, Carborundum Co, Rio de Janeiro
CARNAUBA WAX—1,249 bgs, National City Bank, Parnahyba
500 bgs, Chase National Bank, Parnahyba
125 bgs, Parnahyba
166 bgs, Wessel Duval, Fortaleza
84 bgs, J W Hanson, Fortaleza
111 bgs, Wax & Rosin, Fortaleza
67 bgs, F B Ross, Fortaleza
112 bgs, Wessel Duval, Rio de Janeiro
444 bgs, Rio de Janeiro
CASEIN—4,000 bgs, New York Trust, Buenos Aires
1,000 bgs, Eugene Lang, Buenos Aires
2,000 bgs, Borden Co, Buenos Aires
1,000 bgs, Wilbur Ellis, Buenos Aires
1,200 bgs, American Cyanamid, Buenos Aires
500 bgs, Tupman Thurlow, Buenos Aires
CASSIA BUDS—9 bgs, Kellys American Ltd, London
CASTORBEANS—150 bgs, Chase National Bank, Port Au Prince
300 bgs, Gonaives
778 bgs, Spencer Kellogg & Sons, Port De Paix
873 bgs, Chase National Bank, Jacmel
2,800 bgs, Spencer Kellogg, Manta
8,465 bgs, Bahia
1,700 bgs, Guaranty Trust, Bahia
364 bgs, Baker Castor Oil, Port Au Prince
1,700 bgs, Baker Castor Oil, Recife
5,087 bgs, Spencer Kellogg & Sons, Cabedello
31,702 bgs, Baker Castor Oil, Fortaleza
CEDRAT OIL—2 half cs, Cheremy Perfumer, Messina
CELERYSEED—111 bgs, H T French, Marseilles
CELESTITE—1,017,744 lbs, E I du Pont de Nemours, Avonmouth
CHARCOAL, ANIMAL BONE—1,000 bgs, Tupman Thurlow, London
COCONUT SHELL—1,000 bgs, Holland Colombo Trading, Colombo
CHEMICALS, AROMATIC—1 ck, Roure-Dupont, Havre
CHESTNUT EXTRACT—500 bgs, Barkey Importing Co, Genoa
CHILLIES—73 bgs, Becker Mayer Seed Co, Lagos
CHINA CLAY—616 bgs, English China Clay Sales, Avonmouth
3 cks, English China Clay Sales, Avonmouth
CHOLESTEROL—12 cs, Industrial Raw Materials, Hamburg
CHROME ORE—2,598 tons, E J Lavino, Santa Cruz
SILICON—176 dms, Union Carbide & Carbon, Sauda
CHROMIUM METAL—149 bbls, Union Carbide & Carbon, Sauda
CINCHONA PRODUCTS—160 dms, Guaranty Trust, Rotterdam
9 cs, Guaranty Trust, Rotterdam
CITRONELLA OIL—34 dms, Lo Curto & Funk, Colombo
CLOVE—100 bgs, Ziel & Co, Durban
OIL—34 dms, Maywood Chemical Works, Durban
47 dms, Lo Curto & Funk, Durban
COCHINEAL—84 bgs, Callao
COCONUT OIL—739 tons, Cebu
200 tons, Pacific Vegetable Oil, Cebu
CODLIVER OIL—120 dms, Whitmoyer Lab, St Johns
88 dms, Vitaron Chemical, St Johns
1 bbl, Szenkovits Corp, St Johns
50 dms, Nopco Chemical, St Johns
750 dms, Peder Devold, Aalesund
COPAL GUM—300 bgs, Chase National Bank, Antwerp
95 bgs, U S Industrial Chemical Co, Manila
37 bgs, London
CORIANDER OIL—16 cs, National City Bank, Leningrad
CREAM OF TARTAR—100 bbls, F H Taussig, Genoa
CRESYLIC ACID—100 dms, American Cyanamid Co, Liverpool
100 dms, American British Chem, Liverpool
620 dms, Monsanto Chemical, Liverpool
140 dms, Liverpool
CUBE ROOT—2,597 bls, Hecht, Levis & Kahn, Belem Para
CUMINSEED—41 bgs, Ramex Assoc, Rotterdam
DAMMAR GUM—70 bgs, O G Innes, Singapore
DINITROBENZOYL CHLORIDE—1 cs, Southampton
DIPHENYLENOXYD—17 cks, Hensel, Bruckmann, Rotterdam
DITTANY HERB—8 bls, Peek & Velsor, Genoa
DYESTUFFS—15 cyls, Sandoz Chemical, Havre
EARTH COLORS—1,120 bgs, C J Osborn, Avonmouth
FERRO OXALICUM OXYCOLATUM—3 cks, European Chemical Co, Bremen
TITANIUM—224 dms, Liverpool
TUNGSTEN—1,000 cs, National City Bank, Yokohama
100 dms, Overseas Metal & Ore, Yokohama
64 dms, Bank of Manhattan, Liverpool
FISHLIVER OIL—1 dm, National City Bank, Yokohama
37 dms, International Fisheries, Yokohama
MEAL—200 bgs, Wessel, Duval, Chimbote
GERANIUM OIL—1 dm, Polak & Schwarz, Durban
GLUE, BONE—400 bgs, Transatlantic Animal By-Products, Antwerp
STOCK—128 bls, Manufacturers Trust, Recife
234 bls, Karr Ellis, Liverpool
179 bls, Tampico
GLYCERIN—545,594 lbs, Carl J Schellings, Buenos Aires
GRAPHITE—250 bgs, J Dixon Crucible Co, Colombo
500 bgs, Charles Pettinos, Colombo
3,000 bgs, Charles Pettinos, Durban
GYPSUM—622 bgs, Whittaker Clark & Daniels, Liverpool
200 bgs, C B Chrystal, Liverpool
2,175 tons, Newark Plaster Co, Walton
HENNA LEAVES—10 bls, R J Prentiss, Alexandria
ILMENITE ORE—3,595 tons, C Tennant & Sons, Koilthottam
6,400 tons, National Lead Co, Koilthottam
IODINE—120 kegs, International Fisheries, & Chemical Corp, Yokohama
IRISH MOSS—70 bls, J Capouya, Havre
JALAP ROOT—28 bgs, Vera Cruz
JUNIPER BERRIES—84 bgs, Leghorn
KAMALA POWDER—17 bgs, R J Prentiss, Bombay
KARAYA GUM—158 bgs, W M Allison, Bombay
LACTOSE—2 bgs, Heyden Chemical Corp, Rotterdam
LAUREL LEAVES—181 bls, M J Golombeck, Izmir
LAVENDER FLOWERS—89 bgs, Peek & Velsor, Alicante
LEMONGRASS OIL—6 dms, Centflor Manufacturing Co, Cochin
6 dms, Verona Chemical, Cochin
6 dms, Volkart Bros, Cochin
LICORICE ROOT—304 bls, William E Martin, Izmir
LITHOPONE—3 bgs, Nuodex International Corp, Rotterdam
LIVER CONCENTRATE—14 dms, Wilson & Co, Buenos Aires
LOCUST BEAN GUM—800 bgs, Genoa
100 bgs, Innis Speiden, Genoa
200 bgs, T M Duche, Genoa
100 bgs, American Key Products, Genoa
1,000 bgs, Valencia
LOGWOOD EXTRACT—15 cks, American Dyewood, Kingston
LYCOPODIUM—29 bgs, Amtorg Trading, Leningrad
MACE—80 cs, John Holt, Grenada
MAGNESIA CARBONATE—50 cs, LoCurto & Funk, Liverpool
MANGANESE, METALLIC—392 cs, J W Hampton Jr, Yokohama
SULPHATE—45 bgs, A M Goldstein, London
MANGROVE BARK—789 bgs, Marcel Calvet, Esmeraldas
MANURE CHEMICAL—239 bgs, Doggett Pfeil Co, London
MENTHOL—50 cs, Metallo Chemical, Taku Bar
30 cs, China Trading & Industrial, Taku Bar
7 bgs, Cowley Pharm, Santos
100 cs, Rudolph Desco, Hong Kong
45 cs, Volkart Bros, Rio de Janeiro
METANITROPARATOLUIDINE—37 dms, Liverpool
40 cks, O W Lochner, Rotterdam
MICA—38 cs, Eugene Munsell, London
181 cs, Ford Radio & Mica, London
26 cs, Sigbert Loeb, London
530 bgs, Asheville Schoonmaker, Buenos Aires
110 cs, Asheville Schoonmaker, Buenos Aires
42 cs, Sigbert Loeb, Rio de Janeiro
22 cs, Otto Gerdau, Rio de Janeiro
19 cs, Colonial Trust Co, Rio de Janeiro
134 cs, Andrew Lager, Rio de Janeiro
41 cs, Brazil Minerals & Timbers, Rio de Janeiro
35 cs, Western Hemisphere, Rio de Janeiro
146 cs, Sylvania Electric, Rio de Janeiro
13 cs, E Munsell, Rio de Janeiro
8 cs, United Mineral & Chem, Rio de Janeiro
312 cs, General Commercial Acceptance, Durban
MILK SUGAR—25 cs, F H Taussig, Rotterdam
MOLLE SEED — 100 bgs, Merchandise Trading, Guayaquil
MOLYBDENITE—7 dms, J W Hampton, Yokohama
MONOCRESYLGLYCERYL ETHER—6 dms, American Cyanamid, London
MUSTARD BRAN—300 bgs, C H Asche, London
SEED—500 bgs, Amaren Trading Corp, London
500 bgs, Charles Gulden, Rotterdam
1,000 bgs, Old Dutch Mustard Co, Taku Bar
MYROBALANS—1,390 bgs, Barkey Import, Mormungo
NEATSFOOT OIL—55 cks, Ovimpex Inc, Buenos Aires
NEROLI OIL—1 qu cs, Citrus & Allied Essential Oils, Messina
NUTMEGS—12 bgs, K M Landes, Grenada
550 bgs, John Holt, Grenada
400 bgs, John Holt, Grenada
OCOTEA CYMBARUM OIL—93 dms, New York Trust Co, Itajai
49 dms, Chase National, Itajai
OLIBANUM GUM—67 bgs, Peek & Velsor, Colombo
OLIVE OIL—194 dms, J H Schroder, Malaga
52 dms, Guaranty Trust, Malaga
10 dms, First National Bank, Malaga
157 dms, Credit Suisse, Malaga
75 dms, Central Hanover, Malaga
100 dms, National Shawmut Bank, Malaga
500 dms, Guaranty Trust Co, Sfax
1 dm, Lekas & Drivas, Piraeus
FOOTS—207 dms, Grace National, Sfax
600 tons, Guaranty Trust, Sfax
OURICURY WAX—56 bgs, Commercial Raw Material Co, Rio de Janeiro
OX GALL—2 bbls, C M Loeb Rhoades, Beira
10 cs, Intercontinental Industries, London
PALM OIL—742 tons, Ango Ango
134 tons, Hasselman Seaman De Ryss, Liverpool
PALMAROSA OIL—4 pots, Volkart Bros, Bombay
PAPRIKA—25 cs, Alicante
PARA-AMINOSALICYLIC ACID—4 cks, European Chemical Co, Rotterdam
PARADISE SEED—25 bgs, Gillespie & Co, Lagos
43 bgs, Park Benziger, Lagos
38 bgs, Berwick Co, Lagos
PEATMOSS—1,186 bls, J E Bernard, Bremen
1,100 bls, J E Bernard, Hamburg
PEPPER, BLACK—3,400 bgs, Joensson & Cross, Alleppey
320 bgs, Mincing Trading, Alleppey
240 bgs, M Golodetz, Alleppey
160 bgs, Virchand Panachand, Alleppey
64 bgs, Bansidhar Gopaldas, Alleppey
880 bgs, Volkart Bros, Calicut
400 bgs, Mincing Trading, Calicut
240 bgs, Internatio Rotterdam, Cochin
160 bgs, Virchand Panachand, Cochin
80 bgs, A G Dunn, Cochin
80 bgs, Anglo American Trading, Cochin
320 bgs, Mincing Trading Co, Bombay
240 bgs, Peter Commercial Co, Bombay
480 bgs, Mincing Trading Co, Alleppey

PEPPER, BLACK—160 bgs, A G Dunn, Alleppey
80 bgs, Moller Trading, Alleppey
80 bgs, Mutual Spice, Alleppey
64 bgs, R T French, Alleppey
80 bgs, Superintendence Co, Alleppey
400 bgs, National City Bank, Cochin
240 bgs, Mincing Trading, Cochin
114 bgs, Murwal Inc, Beirut
PERFUMERY OILS—1 cs, Dodge & Olcott, Havre
PETITGRAIN OIL—1 dm, Fritzsche Bros, Port Au Prince
1 cs, Fritzsche Bros, Port Au Prince
PETROLEUM, CRUDE—114,435 bbls, Esso Standard, Cartagena
129,008 bbls, Socony Vacuum, Puerto La Cruz
124,008 bbls, California Ref Co, Puerto La Cruz
125,705 bbls, California Ref Co, Ras Tanura
PHTHALIC ANHYDRATED ACID—747 bgs, Atlantic Raw Materials, Rotterdam
PIMENTO LEAF OIL—2 dms, Magnus, Mabee & Reynard, Kingston
PLATINUM—4 cs, Colamer, Buenaventura
POLACKLIVER OIL—50 dms, Wilbur Ellis, Yokohama
52 dms, Nopco Chemical, Yokohama
10 dms, Albumina Supply Co, Yokohama
153 dms, Consumers Import Co, Yokohama

POTASH SALT—8 kgs, A Gusmer, London
PSYLLIUM SEED—268 bgs, T M Duche, Bombay
130 bgs, S B Penick, Bombay
PYRETHRUM FLOWERS—330 bgs, Kellys America, Bombay
663 bgs, S B Penick, Bombay
QUEBRACHO EXTRACT—6,782 bgs, Tanimex Co, Buenos Aires
1,092 bgs, River Plate Import & Export, Buenos Aires
2,365 bgs, Bank of London, Buenos Aires
524 bgs, Buenos Aires
RHENANIA PHOSPHATE—4 dms, Ideal Cement Co, Bremen
RHUBARB ROOT—120 cs, Arnhold & Co, London
8 cs, Meer Corp, Hong Kong
PEELED—77 bgs, S B Penick, Bombay
UNPEELED—25 bgs, S B Penick, Bombay
ROSEWOOD OIL—9 dms, Dodge & Olcott, Manaos
6 dms, Magnus, Mabee & Reynard, Manaos
SAGO FLOUR—1,120 bgs, Stein Hall, Singapore
SANDALWOOD OIL—5 cs, Ungerer & Co, London
SANDARAC GUM—4 bgs, Kellys America, London
SEAWEED—11 bgs, Emerco Trading, Havre
SENNA LEAVES—1,245 bls, Dalton Cooper, Port Sudan
SESAME SEED—150 bgs, Louis Furth, Hong Kong
SHARK OIL—12 dms, Collett Week & Nibecker, Valparaiso
LIVER OIL—150 cs, Wilbur Ellis, Yokohama
20 dms, Nopco Chemical, Yokohama
200 dms, National City Bank, Yokohama
21 dms, International Fisheries, Yokohama
77 dms, Silmo Chemical, Yokohama
SHEEP & BEEF GLANDS—1 bbl, Armour & Co, Buenos Aires
11 tcs, Armour & Co, Buenos Aires
SHELLAC—14 bgs, F H Paul & Stein Bros, Hamburg
SOAP BARK—50 bls, W R Grace, Valparaiso
483 bls, W R Grace, San Antonio
103 bls, R J Prentiss, San Antonio
SODIUM CYANIDE—20 bbls, Aceto Chemical Co, Hamburg
1,103 ums, Terra Chemical, Rotterdam
SOLELIVER OIL—12 dms, Consumers Import, Yokohama
SOPHORA JAPONICA—300 bls, Fallek Products Co, Hong Kong
STARCH, SOLUBLE—70 bgs, Stein Hall, Rotterdam
STEATITE—110 cs, K Kirchberger, Leghorn
SULPHUR—34 cks, Lo Curto & Funk, Liverpool
SUNFLOWER MEAL EXTRACT—80 bgs, Dumat Co, Buenos Aires
SYRUP, INVERT—182,837 gal, Havana
TALHA GUM—100 bgs, National City Bank, Port Sudan
TAPIOCA FLOUR—4,693 bgs, Bangkok
500 bgs, American Key Products, Bangkok
1,834 bgs, Geismar & Co, Itajai
167 bgs, Morningstar, Nichol, Itajai
2,000 bgs, Bankers Trust Co, Itajai
TARA POWDER—250 bgs, Irving Trust, Salaverry
TEA WASTE—165 bgs, Harrisons & Crosfield, Cochin
THYME LEAVES—202 bgs, M J Golombeck, Alicante
TITANIUM ALUMINUM—173 dms, Liverpool
TONKA BEANS—16 bbls, J Henry Schroder, Belem-Para
TRAGACANTH GUM—223 bgs, Meer Corp, London
TRIMETHYLZANTHIN—12 cks, Antwerp
TUCUM KERNELS—833 bgs, Glidden Co, Sao Luiz Do Maranao
TURMERIC—118 bgs, Jacmel
80 bgs, Mincing Trading Corp, Alleppey
80 bgs, G T Germen, Cochin
80 bgs, Volkart Bros, Cochin
TUNG OIL—420 dms, Hoyen Trading Corp, Taku Bar
268 dms, Pacific Vegetable Oil, Taku Bar
TUNGSTEN CONCENTRATES—2,471 bgs, Callao
SCRAP—1,000 cs, J W Hampton, Osaka
126,180 lbs, J W Hampton, Osaka
UREA—600 bgs, American Cyanamid, Liverpool
VANILLA BEANS—12 cs, Camax Co, Vera Cruz
64 cs, Zink & Triest, Tampico
57 cs, Gillespie & Co, Durban
21 cs, Guaranty Trust Co, Marseilles
VEGETABLE OIL—124 dms, Villar & Osorio, Marseilles
VETIVER OIL—2 dms, Polak & Schwarz, Durban
1 dm, L A Champon, Port Au Prince
WATTLE BARK—2,218 bls, Hammond & Carpenter, Durban
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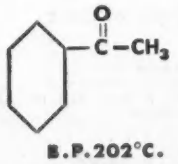

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# Botanical Drugs, Spices, Gums

More than the usual number of price changes came to the medicinal botanical group last week but, with minor exceptions, the reductions took place on imported merchandise. Prominent among the drugs selling down on the week were buchu, buckthorn, colocynth pulp, ginger, psyllium seed, rhubarb, ipecac, and uva ursi. Only mandrake was lower so far as domestic drugs were concerned. Strength and higher prices came to Cape aloe, powdered kamala, and also sabadilla in powdered form. Among the condimental botanics, recovery of black pepper prices was a feature. French celery seed advanced strongly. Grains of paradise slumped badly. The market index was off 1.4 points and became 185.7.

Clove spice attracted attention when the Zanzibar Clove Exporters Federation declared its independence from the United States Food and Drug Administration by announcing that the Zanzibar government grade certification was the only terms the Federation would accept—in other words, Zanzibar spice would not be guaranteed to pass. Since January 1, 4,324 bags have been refused release by the Food and Drug Administration.

Country prices on mandrake root have dropped sufficiently to force prices down but revival of consumer buying might reverse the current trend. Competition for business in Chinese rhubarb increased with a gain in supply. The "weakness" in ginger root was more apparent than real; a few quotations seemed awfully low, according to some suppliers.

At last an opinion with respect to the size of Indonesian stocks of black pepper has been ventured; the guess was 3,000 tons now in store and a new crop of about 10,000 when August-September comes. When added to India's stocks, about 25,000 tons seemed likely to be available this year—and the limited consumption of the world was set also at 25,000 tons.

## Barks

**Buckthorn**—Both whole and cut and sifted barks were slightly more competitive. The former was offered at 12c. to 14c. per pound; the latter was proposed at 18c. to 20c.

**Lemon Peel**—Quotations were slightly lower at 18c. to 20c. per pound, so quoted as to seller and quantity under competition.

**Sassafras**—Country prices were reported holding very well and, of course, interest in the item centered upon what had to be paid to encourage a normal collection of the item at the origin.

## Beans

**Vanilla**—Undertones were substantially firm here and at the origins. Current demand for spot deliveries was not too active, but absence of larger requirements on the part of the extract makers failed to bring about reactionary spot quotations. Stocks were fairly sufficient to cope with any sudden resumption of buying for domestic consumption, but the item was hardly in surplus supply when probable needs are reckoned.

## Flowers

**Arnica**—The only change in the market was a narrowing of the price range, quotations prevailing mainly on the basis of 45c. to 50c. per pound in a very slow market.

**Clover**—Only limited quantities of domestic flowers were reported available at the origin because of the rather indifferent collection last year. However, as yet no collector has raised buying prices as a stimulant to the workers' activities. Local quotatios were higher at 65c. to 70c. per pound.

## Gums

**Arabic**—Exports from the Sudan in 1949 to all countries had the following valuation, according to a report from Cairo, Egypt:—Bleached gum, $21,630, of which $3,854 went to the United States: hashab, $4,561,167, of which the United States took $840,215; talha, $143,988, the United States getting but $1,561.

**Locust Bean**—Holding very firm, especially with respect to the shipment positions some months ahead. On spot, quotations were exceptionally steady, and values still had a rising tendency.

## Herbs and Leaves

**Buchu**—The spot market yielded much ground to the element of more active spot competition between dealers. The market sank to 50c. to 55c. per pound under pressure, but the feeling was that the movement in buyers' favor would not go much further because of current first costs to the dealers.

**Marjoram**—Chilean herb was down to 35c. to 36c. per pound. Other kinds lacked change. A newcomer to materials competing locally was the produce from Peru, the same coming into the market at 33c. to 38c. per pound.

**Sage**—Greek leaves were lowered to the basis of 19c. to 20c. per pound. Dalmatian material held at $1.10 and was slightly greater availability.

**Uva Ursi**—Competition made possible by some advantageous replacement operations brought spot quotations down to 8c. to 10c. per pound.

## Miscellaneous

**Cantharides**—Whole Chinese flies declined once again, becoming available at 90c. to $1 per pound. Powdered goods held unchanged. So did Russian whole and powdered materials.

**Colocynth** — The market was quiet enough to become considerably easier and moderately lower at 25c. to 27c. per pound.

**Grains of Paradise**—A short time back this article could not be had at 69c. to 70c. per pound and few had any to sell. Last week a plentiful supply was pushed on the market at 45c. to 50c. per pound as a quotation, but with the intimation that considerably less — say around 43c.—might be done under competitive circumstances.

**Kamala** — Sellers showed considerable reserve and wanted upwards of 60c. to 65c. per pound most of the past week.

*For Late Market Developments, See Page 4*

### *Market Trends*

**Prices Advanced**

*Drugs*

Aloe, Cape, 1c. per lb.
Clover tops, red, domestic, 10c. per lb.
Kamala, powdered, 6c. per lb.
Sabadilla seed, powdered, 10c. per lb.

*Other Articles*

Anise, star, ¾c. per lb.
Celery seed, French, 4c. per lb.
Mace, West Indian, 3c. per lb.
Pepper, black, 11c. per lb.
white, 5c. per lb.
Poppy seed, Czech, 1c. per lb.
Sesame seed, Salvadorean, ½c. per lb.

**Prices Reduced**

*Drugs*

Buchu leaves, 10c. per lb.
Buckthorn bark, 2c. per lb.
cut and sifted, 5c. per lb.
Cantharides, Chinese, whole, 10c. per lb.
Colocynth pulp, 3c. per lb.
Ginger root, African, ½c. per lb.
Jamaica, No. 2, 1c. per lb.
No. 3, 1c. per lb.
Nigerian, split, 1c. per lb.
Ipecac root, 10c. per lb.
Lemon peel, 2c. per lb.
Mandrake root, 3c. per lb.
Psyllium seed, black, 4c. per lb.
blonde, 3c. per lb.
Rhubarb root, 15c. per lb.
Uva ursi leaves, 2c. per lb.

*Other Articles*

Cassia buds, Chinese, 6c. per lb.
Coriander seed, Moroccan, ¼c. per lb.
Grains of paradise, 10c. per lb.
Marjoram, Chilean, 2c. per lb.
Pepper, red, Haitian, 2c. per lb.
Hontaka, 1c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Sesame seed, Nicaragua, hulled, ½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 185.7 | 187.1 | 190.6 | 193.6 | 179.9 |

(*For Current Prices see Page 9*)

### *Imports Detained by FDA*

**Week Ended June 16**

**New York**

Banana powder, 47 drums: labeled with a prohibited guarantee.
Capsicums, 225 bags: live and dead insects.
Cassia vera, 687 packages: insect filth.
Chillies, 644 bags: live and dead insects.
Cod oil, 215 drums: decomposed.
Digitalis leaves, 39 bags: not USP.
Ergot, 19 bags: not NF.
Ginger, 90 bags: filthy.
Henbane, 83 bales: not official variety.
Kola nuts, 1,183 bags: moldy; live and dead insects; insect bored.
Mace, 89 cases: live and dead insects.
Mustard seed, 100 bags: filthy.
Pepper, black, 352 bags: moldy and insect bored; other than black pepper substituted; siftings and pickings.
Pumpkin seeds, 110 bags: insect infested; excessive foreign matter.
Rhubarb root, 107 bags: insect bored; not official variety.
Sage leaves, 56 bags: Greek sage substituted.

**Philadelphia**

Insulin, 1 package: non-certified batch.


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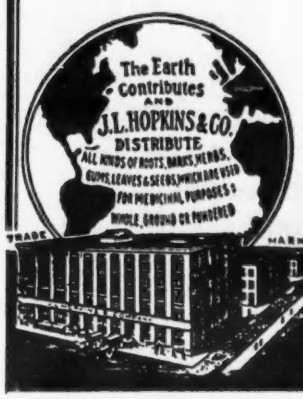
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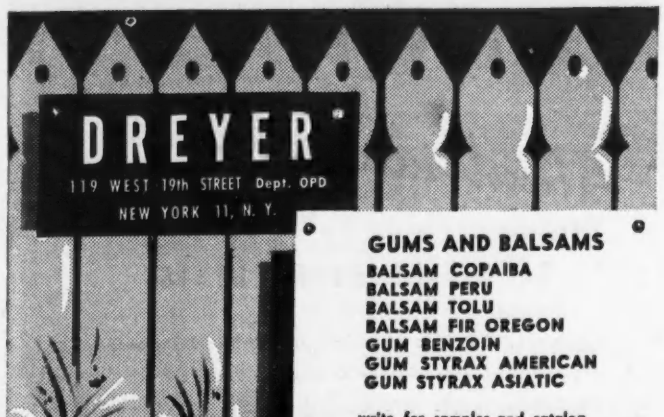


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Stocks were in very firm hands at a cost precluding price shading as a general thing.

## Roots

**Ipecac**—The market worked still lower, though most dealers avoided the word "weak" in describing the current spot position. Whole root was $4.10 to $4.75 per pound and powder ranged $4.40 to $5. The quotes ruled according to the variety of root priced. That the market was more competitive was readily to be seen.

**Mandrake**—Prices quoted in the country to local dealers have worked down sufficiently to make 36c. to 40c. per pound a fairly representative price for spot goods. However, little consumer buying has taken place yet and development of such activity may bring a reversal of the present downward trend.

**Rhubarb**—Though by no means in liberal supply, Chinese root has come into a more liberal supply situation and the result has been a further downward revision to bring spot and first costs more definitely into line, according to some on spot. Whole Chinese root was priced at 80c. to 90c. per pound and powder was named at 90c. to $1. Whole India root was 45c. to 50c.; powder, 55c. to 60c.

## Seeds

**Anise**—Star anise advanced to the basis of 15½c. to 16c. per pound with one quarter even mentioning 16½c. as lowest.

**Celery**—Reduced supply and higher replacement sent French seed to 34c. to 35c. per pound in this market. Indian seed lacked change.

**Colchicum**—Spot quantities were reported still to be available at $1.30 to $1.40 per pound.

**Poppy** — Dutch seed was shaded to 15½c. to 16c. per pound. Czech was higher at 14c. to 14½c. Polish was unchanged at 12c. to 14½c.

**Psyllium**—Cheaper prices in the replacement markets have induced sufficient local competition to bring black seed on spot down to the basis of 18c. to 20c. per pound. Blonde seed was 16c. to 18c. Husks continued to show firmer position at 45c. to 47c.

## Spices

**Cassia**—China buds were much lower at 40c. to 41c. per pound. Other kinds of cassia lacked quotable change. Stocks were large.

**Clove**—Spot prices were very steady but lacked change. The Zanzibar Clove Exporters Federation has sent an ultimatum to United States buyers in which they insist on the acceptance of the Zanzibar government's inspection certificate of grade. Members of the Federation declared they would not accept any other export terms. This action was taken because Zanzibar shippers have alleged severe losses on shipments to the United States. These shipments had the Zanzibar government certificate but, on arrival here, the spot failed to pass the requirements of the Food and Drug Administration. Detentions since January 1 and through June 16 totaled 4,324 bags, which amounted to approximately 605,360 pounds.

**Pepper**—Indonesian black pepper and its potentialities continued to hang over the international markets last week. Recent breaks in prices had been attributed to the return of Indonesia to the market. The market was possibly less jittery than it was during the previous fortnight but a deal of unrest and uncertainty continued to prevail.

It will be well into September or October before substantial shipments can arrive here from Indonesia. To date, little actual pepper has been landed here. Last week it was estimated that current stocks in Indonesia were 3,000 tons and that the August-September crop would add 10,000 tons. The exportable surplus in India was set at 12,000 tons. This meant that 25,000 tons would be available ultimately against which was the estimate of 25,000 tons as a restricted world consumption.

Further information anent the Indonesian export price floor said that it worked out at approximately $1.05 per pound, ex dock, New York. If Indonesia has much pepper to ship this year, then it would seem that price peg of $1.05 would have to be revised downward.

Spot prices on black pepper strengthened and rose to $1.12 per pound after considerable backing and filling. Futures were $1.10. Quotations on Friday noon were:—Spot, $1.14 to $1.16 per pound; shipment, $1.10 to $1.15.

Red peppers remained unsettled and prices on Haitian were down to 53c. to 54c. while Hontakas became 56c. to 57c. per pound. White pepper ranged $2.10 to $2.11.


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# Essential Oils, Other Aromatics

Normal activity in the market for essential oils and aromatic chemicals brought about advances in the price quotations of nine items, due, for the most part, to scarcity of spot stocks. Geranium oil, which has been in a precarious position, took a sharp upward turn. Patchouli and lavender oils also showed new strength as did cajeput and cananga oils. Cassia and Italian lemon oils, which have both been in short supply, moved up slightly. Good supply conditions caused some easing of the prices of guaiacwood, palmarosa and sweet almond oils, and carryovers from last year's crop have caused some traders to offer dillweed and wormwood oils at more favorable prices. The effect on the index, influenced substantially by the marked rise in the geranium oil price, was an increase of 4.7 points to 129.5.

Oils from some South American countries have begun to arrive at the local market in extremely large quantities. This has been particularly true of guaiacwood and petitgrain oils and has caused some softening of these items. Observers in the trade have attributed the situation to the need of those countries for vital equipment which they must buy from the United States in dollars. They are attempting, therefore, to increase their purchasing power in this country by sending their products freely.

Floral oils remained generally high. The little Bourbon geranium oil that was available was offered at increasingly higher prices. Algerian oil featured additional strength as a result. Bourbon vetiver and ylang-ylang oils were being offered at firm prices by those houses which still had some. Clary sage and patchouli oils also exhibited strong market prices at home and abroad.

Citrous oils were fairly stable. Orange oil seemed to present no problem, being freely available. Lime oil of both Mexican and West Indian origins was noticeably strong and, according to reports received by dealers, there were indications of rising replacements costs in the offing. Lemon oil prices continued to be firm and no easing of the Italian oil situation was seen.

Trading in aromatic chemicals was normal last week, after a slight slowdown the previous, due probably to the poor weather. Flavoring buyers seemed to have picked up interest again.

## Market Trends

**Prices Advanced**

Angelica seed oil, $20 per lb.
Cajeput oil, technical, 20c. per lb.
redistilled, 25c. per lb.
Cananga oil, native, 30c. per lb.
Cassia oil, 5c. per lb.
Geranium oil, Bourbon, $1.50 per lb.
Lavender flower oil, 40-42%, 5c. per lb.
spike oil, 25c. per lb.
Lemon oil, Messina, 25c. per lb.
Linalool, ex bois de rose, 5c. per lb.
Patchouli oil, 50c. per lb.

**Prices Reduced**

Almond oil, sweet, 3c. per lb.
Apricot kernel oil, ½c. per lb.
Dilweed oil, 30c. per lb.
Guaiacwood oil, 5c. per lb.
Palmarosa oil, 15c. per lb.
Wormwood oil, 10c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 129.5 | 124.8 | 126.5 | 102.8 | 101.6 |

(For Current Prices see Page 9)

## Essential Oils

**Almond**—Imported sweet oil remained fairly easy at prices ranging from 55c. to 85c. per pound. It was reported that domestic material could be had for as low as 45c. per pound in some quarters. There appeared to be strong demand from soft drink makers for this material, which is an ingredient of cherry-flavored drinks. Natural bitter oil was stable, but some shading of prices was indicated.

**Angelica**—Firm prices of $110 to $190 per pound continued to prevail for root oil, while oil obtained from the seeds was offered at $100. Trading of both these items was limited but steady.

**Apricot Kernel**—Slightly lower at 42½c. to 58c. per pound, the oil was in good supply and moved to consumers at a steady pace. However, the free position of sweet almond oil detracted a bit from interest in this item.

**Cajeput**—Technical grade material was priced from $1.85 to $1.95 per pound. Redistilled oil meeting USP X specifications was offered at a price range of $2.35 to $4.50 per pound. The market was fairly quiet and requests for both materials were being filled comfortably.

**Cananga**—Native oil moved up again after showing a decline several weeks ago and was quoted last week at $4.50 to $4.80 per pound. Rectified material was offered by one supplier at $5.10 per pound, but ranged up to $6 throughout the trade. Both articles moved in steady quantities to perfumers and other users.

**Cassia**—An advance of 5c. per pound in the minimum offer put the price at $2.50 to $2.85 last week. Although supplies remained rather tight, small but steady shipments were arriving from Hong Kong. Prices at the source continued to show strength.

**Celeryseed**—For the most part, dealers were asking prices of $17 to $17.50 per pound for domestically distilled oil, but the material could be had for as low as $14 a pound. Reports received from the source have indicated some shortage of seed supplies and a resulting increase in shipping prices. This has not yet affected the local market.

**Clove**—Quantities of acceptable spice remained extremely limited and spot prices of oil ranged from $1.68 to a new high of $1.95 per pound. What small amounts of material were available were being held high at the source.

**Dillseed**—This market was fairly inactive and supplies appeared to be rather short. No change in the quotation was made and the available material was sold between $7 and $9.50 per pound.

**Dillweed**—There were conflicting reports received on the status of this article. In some quarters stocks remaining from last year were being offered at lower prices in anticipation of arrivals from this year's crop, expected in late July. This brought the minimum offer down to $5.25 per pound last week. Other suppliers with smaller holdover stocks continued to ask $5.75 to $6.50 per pound and expected to keep prices fairly firm until new crop oil is received.

**Eucalyptus** — While prices remained unchanged, with 80-90 percent grade selling at 65c. to 98c. per pound and 70-80 percent at 55c. to 83c. per pound, word was received in the trade of an increase in replacement costs at Australian sources.

**Geranium**—The situation of Bourbon oil continued to grow more and more serious and last week resulted in a further increase in the minimum price quotation to $18.50 per pound. Other offers ranged up to $21 a pound. Dealers reported small replacement arrivals from abroad, but at constantly higher shipment prices. Oil of Algerian origin has shown considerable strength. The trade interpreted this trend, in large part, as being sympathetic reaction to the Bourbon situation.

**Guaiacwood**—Some softening has been felt in this item, which declined 5c. per pound last week to a range of $1.75 to $1.90 per pound. According to the information of the trade, South American sources have been shipping large quantities in hopes of increasing their bartering powers for materials which they need. This has swelled spot stocks of this item which has limited application in soaps and perfume fixatives.

**Lavender**—After showing a sharp dip during the past few weeks, spike oil moved back up to range of $1.10 to $1.40 per pound last week. The item was fairly free. French flower oils remained generally stable, there being a slight advance only in the 40-42 percent grade, which was offered at $3.80 to $4.75 per pound.

**Lemon** — With increased prices being asked at the origin, Italian oil has moved up at the local market. The minimum offer last week was $2.95 per pound, but most dealers quoted considerably higher prices, ranging up to $5.75 for some brands. Material from Californian sources remained firm at a range of $2.85 to $3.25 per pound, depending upon producer. A good deal of trading was noted and consumer interest was high.

**Lime**—Considerable strength was shown in the prices of Mexican distilled oil, which was sold at $6 to $7 per pound, and distilled oil from the West Indies, which was marketed at $6.50 to $7.25. Indications from the West Indies pointed toward higher shipping prices at that origin and Mexican source prices were expected by local dealers to remain firm. A good deal of buying, particularly by soft drink producers, took place.

**Neroli**—Some tightening was felt in the price of French oil, which was quoted at $145 to $195 per pound last week. Spot stocks were said to be in good condition, but there were reports that replacements

For Late Market Developments, See Page 4

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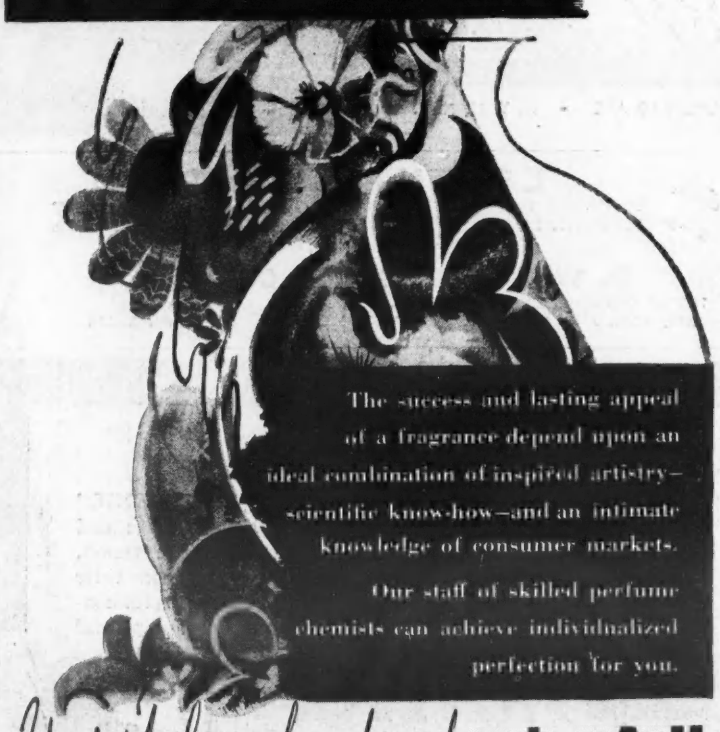

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may be increased in price in the near future.

**Orange**—Ample supplies of all types and active demand kept the market on an even basis. Domestic material from Florida was offered at 40c. to $1 per pound, while Californian oil sold at 60c. to $1 per pound, according to brand. Messina oil was unchanged at $2.85 to $5.50.

**Palmarosa**—One dealer offered the material at $7.25 per pound, somewhat lower than previous quotations. Other houses quoted from $7.50 to $8 per pound. Spot stocks were felt to be rather limited, but one handler stated that indications from abroad pointed toward lower shipment prices.

**Patchouli** — Market quotations ranged from $22 to $24 per pound, but some shading was in evidence. The article was rather scarce, but demand was generally being met.

**Petitgrain** — Similar to other South American items, this oil was being brought to the local market in large quantities, mainly for its trading value. This caused some softening of the spot market price, which last week stood at $1.85 to $2.40 per pound. Demand from soap and perfume manufacturers was very great and material moved in large volume.

**Sage**—Clary oil was offered at a wide range of prices from $13.50 to a high of $22, as quoted by one dealer. Dalmatian oil remained extremely scarce and firm in price, while Spanish oil was freely offered.

**Sandalwood**—Adequate supplies were available to fill all requirements and prices remained unchanged, ranging between $11.50 and $12.50 per pound, with the majority of the suppliers quoting at $12 a pound. Interest on the part of perfumers was normal.

**Spearmint**—Prices held firm last week, ranging from $3.25 to $4 per pound. The balance of last year's crop was getting low, but dealers reported that the 1949 yield was sufficient and would hold out until the new crop becomes available some time in August. Prices may be expected to show stability until that time. According to the findings of the Department of Agriculture, the acreage devoted to spearmint growing has been decreased this year, but, as yet, it is not possible to assay the effect this will have on the market.

**Vetiver**—Continuing to exhibit the critical condition of all Bourbon materials, oil from that origin was extremely tight and sold for $12.90 to $15.25 per pound. Haitian oil followed along, selling at generally firm prices, between $10 and $14 per pound. Consumer interest was fairly good, but there was some difficulty in meeting it.

**Wormseed**—While spot prices remained unchanged at $4 to $4.50 per pound, it was felt in the trade that these prices were rather lower than was warranted by the high asking prices in the producing areas. Buying of the oil was quite active, as might be expected at this time of year.

**Wormwood**—Evidently an indication of improved supply conditions, the price declined 10c. per pound to range at $6.70 to $7. For a time there was some tightness in the market, but there now appears to be sufficient quantities available to meet the demand.

## Aromatic Chemicals

**Geraniol**—Prices continued to be firm, with standard grade selling at $2.20 to $2.50 per pound, while the finer extra grade was sold at $2.60 to $3 per pound. Of wide application in the preparation of perfumes, soaps and other toilet goods, production of the item during 1949 amounted to 645,700 pounds, according to preliminary statistics compiled by the United States Tariff Commission.

**Geranyl Acetate**—There has been some easing of the price of this aromatic, probably due to improved supply conditions of some of the oils from which it is made. Perfumers have shown steady interest in the material, and production last year totaled 53,500 pounds, according to government statistics.

**Heliotropine**—Figures collected by the Tariff Commission indicated that 133,200 pounds of this chemical were produced during 1949. Prices last week ranged between $3 and $3.25 per pound.

**Linalool**—Following the trend of most bois de rose derivatives, the material showed a slight rise in price to a range of $5.45 to $5.70 per pound. The firmer price situation was expected to continue as long as the basic material remained tight. According to a preliminary compilation by the Tariff Commission, production last year amounted to 66,100 pounds in this country.

**Octyl Alcohol** — Some relaxation was noted in the quotations of the perfumer grade, which was available at $1.70 to $3.25 per pound. Large quantities were being used for the preparation of colognes, which are now coming into season.

**Rhodinol**—As a derivative of geranium oil, prices have reflected the scarcity and high cost of the oil. Last week the material was quoted at $42 per pound in 5-pound containers. Prices were expected to remain high until some favorable change is made in the situation of the oil.

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# Protective Coatings Materials

Lead metal dropped ½c. late last week. This resulted in decreases of similar amounts for dry red lead, litharge and orange, mineral. Dry white lead and the sulphates were unchanged. However, copper, lead and zinc naphthenates were advanced by one producer during the past week. In another direction, they were to take a similar rise today. The resinates of the metals also went up during the week. Advances were also noted in the listings of cadmium lithopone pigments. This resulted from an increase in the cost of cadmium metal. Carload and less carload listings were advanced on dibutyl phthalate by one producer. Other producers were studying the listings of other phthalates. The matter was being given attention because of the increasing cost of drums. Tankcar prices were changed. Shellac was without feature except for Lemon No. 2, which went up slightly on the high side of the range.

Alkyd resins appeared on the strong side, and in some quarters it was thought that July 1 might see higher prices. The chief cause was said to be the increased cost of soybean oil. Other production factors were also tending to strengthen these resins. Announcement was made during the week that one producer was going up on styrene resins the first of the month, also citing higher production and distribution costs.

Casein was without change. Supply was adequate but demand was not strong. Buyers were still watching the price structure and the offerings that were coming in from abroad.

## Market Trends

**Prices Advanced**

Copper, resinate, ½c. per lb.
Lead resinate, ½c. per lb.
Orange, cadmium lithopone, 10c. per lb.
Red, cadmium lithopone, deep shade, light shade, maroon shade, medium shade, medium-light shade, orange-red shade, 10c. per lb.
Rosin, gum, New York, G, H, I, J, K, L, M, N, 20c. per 100 lbs.
WG, WW, X, 10c. per 100 lbs.
Savannah, WG, WW, X, up 3c. per 100 lbs.
Yellow, cadmium lithopone, 7c. per lb.
Zinc resinate, precip., ½c. per lb.

**Prices Reduced**

Lead, red, dry, ½c. per lb.
Litharge, ½c. per lb.
Orange, mineral, ½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 175.5 | 175.5 | 173.7 | 196.4 | 201.8 |

*(For Current Prices see Page 9)*

## Prime Pigments

**Green, Chrome** — Output during April of this year, according to Bureau of Census reports, was 578 short tons. This compared to 633 short tons during the previous month and 265 short tons during April a year ago.

**Lead Pigments**—A reduction of ½c. per pound in lead metal late in the week brought with it drops of a similar amount in dry red lead, litharge and orange mineral. There was no immediate action on dry white lead or lead sulphates.

**Orange, Cadmium Lithopone** — This item advanced 10c. per pound during the past week, making the new listing $1.20. This price move was the result of a recent increase in the price of the metal.

**Red, Cadmium Lithopone**—A 10c. increase in listings was effected during the past week, as a result of the recent rise in the price of cadmium metal. The new schedule for the material, in barrels, became:—deep shade, $1.45; light shade, $1.30; maroon shade, $1.55 to $1.65; medium shade, $1.40; medium-light shade, $1.35, and orange-red shade, $1.25.

**Yellow and Orange, Chrome**—Production during April of this year exceeded that of the preceding month, according to the Bureau of Census. The figure for April output was 1,972 as compared to 1,875 short tons during the previous month. During April a year ago the output was 887 short tons.

**Yellow, Cadmium Lithopone**—A 7c. increase in the price of this item was announced during the past week as a result of the recent rise in the price of cadmium metal. This made the new price $1.02.

**Yellow, Zinc**—The Bureau of Census reports that production of the material during April of this year totaled 347 short tons, which was an increase over both the preceding month and the comparable month a year ago. During March the output was recorded at 288 short tons, while during April of last year it was 310 short tons.

**Zinc Pigments** — Although the metal continued in a strong position, there were no changes in price announced during the period under review and consequently there were no revisions in the pigments. Demand continued at a strong rate and the indications were that it would go on doing so for at least the foreseeable future.

## Synthetic Resins

**Alkyd Resins**—Talk is becoming more prevalent to the effect that prices of alkyd resins will be advanced within the next few weeks. The movement would reflect higher costs in a variety of corners—soybean oil is the chief contributing factor; linseed oil has not got so cheap as some expected; freight rates are higher; labor costs are still going up; and even steel drums cost more.

One reliable source said it thought action would be taken about July 1. This source said it did not expect blanket increases, but rather adjustments depending on the soybean oil content of the various resins. It was said that most consumers of soybean oil were, until recently, still taking the oil on the terms of old contracts. These contracts were now running out and that meant that oil was costing more.

**Styrene Resins**—One producer announced during the past week that, effective July 1, it was raising the price of its material 2c. per pound. It was explained that this move was brought about to cover the increased costs of raw materials and freight.

## Natural Resins

**Shellac**—Except for a 1c. advance on the high side of the range for Lemon No. 2, the price structure of the various grades was unchanged during the past week. Demand was reported to be holding at reasonably good levels for this time of year. Supplies here were adequate to handle normal orders and it was said that there was sufficient of the item on the Calcutta market. The Indian market was said to be firm and, during the last few weeks, stronger than it had been.

## Plasticizers

One producer announced during the week that delivery of plasticizers and solvents can now be made from its plant at Kingsport, Tenn., by tankwagon. This service will affect users in nine states of the south and middle west—Indiana, Ohio, West Virginia, Kentucky, Virginia, Tennessee, North Carolina, Georgia and South Carolina. Deliveries will be made in tank trailers divided into two 1,000-gallon and three 500-gallon compartments.

## Lacquer Materials

**Dibutyl Phthalate**—Once producer announced last week that it had advanced its prices ¼c. on drum lots in carload and less carload quantities. The tank price was unaffected. Other producers had not touched their schedules by week's end, but one was set to follow suit on July 1.

## Miscellaneous Materials

**Casein** — Prices were reported unchanged on both domestic and imported material during the past week. Demand for the domestic was largely unchanged from what it had been in the recent past. It was holding at levels that were called fairly good. With the price structure showing a downward tendency lately, buyers were not interested in taking on large amounts of it because they felt it was wise to watch the market to see which way it would go in the future. Supply was adequate to the demand. Milk production at this time was at a high point but not a great deal of it was going into the production of casein. Imported material was in sufficient supply to satisfy the needs of the market, but for this material also there was a somewhat hesitant interest. Argentine goods was not too plentiful now because of the recent dairy strike and drought in Argentina, and also because the industry in that country was now in its winter season. Offerings were being made from Europe and at attractive prices. France was offering the material at 20½c. to 21c. for July shipment and Denmark and Holland were offering at 19¼c. to 19½c. for July shipment.

During the first five months of this year,

*For Late Market Developments, See Page 4*

AD·21 AD·21 AD·21 

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12,000 tons were exported from Argentina. Eight thousand went to the United States, 2,000 to the United Kingdom and the rest to various parts of the world. It was said that Argentina will soon supply Germany with large amounts on a contract basis, although there have been reports that the German industry is getting back into swing and will have goodly amounts available.

**Copper Naphthenate**—An increase of ½c. per pound on the liquid, 8% went into effect in one direction on Friday and was to go into effect today elsewhere. The new price is 22¾c. This reflects the recent increase in the price of copper metal.

**Copper Resinate**—A ½c. increase was noted in the listing of the precipitated material during the past week. This made the new price 24c. and resulted from the recent advance in the price of copper.

**Lead Naphthenate**—The liquid, 16%, 24% and 37% were advanced in price by one producer during the past week, with similar increases due today in other directions. The increase for the 16% was ¼c. and the upping of the other two was ½c. The recent strength of lead metal was the reason for the strengthening in the prices of the naphthenates.

**Lead Resinate**—A ½c. increase for the precipitated was announced during the past week along with the announcement of the new prices for the naphthenates. This increase was also brought about by the recent higher prices for the metal.

**Zinc Naphthenate** — One producer announced late last week that it was advancing its listings on the liquid 8% and 10% while in another direction it was reported that the price was to advance today. The higher cost of zinc metal was said to be responsible for the upping of the naphthenates. The demand was reported to be holding at normally good levels while supplies were sufficient to meet it.

**Zinc Resinate**—The precipitated went up in price from 22c. to 22½c. during the past week as a result of the recent strength being shown by zinc metal.

## Naval Stores

**Pine Gum**—Prices received by producers for crude pine gum delivered to processing plants during the week ended June 22 averaged $16.66 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $16.69 a week earlier.

The twenty-two reporting plants received 31,570 barrels of gum, or an average 1,435 barrels per plant, compared with 1,316 barrels the previous week. The average contents per barrel were 11.57 gallons of turpentine and 299.4 pounds of rosin. The gum was graded 57 percent WW, 15 percent WG, 10 percent N, 10 percent M, and 8 percent K and below.

The record of the gum naval stores markets during the week ended June 23 was as follows:—

**Gum Rosin**

| | Price per 100 lbs. Savannah Exchange (Low of range) Mon. | Tues. | Wed. | Thurs. | Fri. | New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday | |
|---|---|---|---|---|---|---|---|
| B | $4.10 | $4.10 | $4.10 | $4.10 | $4.10 | $5.90 | $6.65 |
| D | 4.25 | 4.25 | 4.25 | 4.25 | 4.25 | 5.90 | 6.65 |
| E | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 5.90 | 6.65 |
| F | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 5.90 | 6.65 |
| G | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| H | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| I | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| K | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| M | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| N | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 6.10 | 6.85 |
| WG | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 6.10 | 6.85 |
| WW | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 6.25 | 7.00 |
| X | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 6.25 | 7.00 |
| | Drums | | | | | | |
| Sales | 200 | ... | ... | ... | ... | | |
| Receipts | 2,178 | 1,779 | 497 | 237 | 937 | | |
| Shipments | ... | ... | ... | ... | ... | | |
| Stocks | 32,900 | 34,685 | 35,182 | 35,419 | 36,356 | | |

**Gum Turpentine**

| | Savannah Exchange Bulk Mon. | Tues. | Wed. | Thurs. | Fri. | New York (ref. dims.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday | |
|---|---|---|---|---|---|---|---|
| Per gal. | .40 | .40 | .40 | .40 | .40 | .49 | .57 |
| Sales, bbls. | ... | ... | ... | ... | ... | | |
| Receipts, bbls. | 453 | 2,051 | 171 | 1,495 | 1,228 | | |
| Shipments, bbls. | 38 | 344 | 28 | 209 | 2 | | |
| Stocks, bbls. | 3,074 | 4,781 | 4,923 | 6,210 | 7,436 | | |

## Benzyl Chlorides Available

Ohio-Apex, Inc., Nitro, W. Va., is offering in pilot plant quantities for research and development "DMBC" (dimethylbenzyl chloride), "MBC" (methylbenzyl chloride), "EBC (ethylbenzyl chloride) and "MBA" (methyl benzyl alcohol). Technical data sheets on the products are available upon request to the company.

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## Hilton-Davis Marketing Two New Flushed Blues

Two new permanent flushed blue pigments are now being offered by the Hilton-Davis Chemical Company, division of Sterling Drug, Inc., Cincinnati, Ohio. They are "Permanent Pacific Blue" (green shade), available in flushed concentrations of 34 percent pigment and 66 percent No. 1 regular linseed varnish, priced at $1.29 per pound; and "Permanent Caribbean Blue," 35 percent pigment and 65 percent No. 3 regular linseed varnish, at $1.33 per pound.

At the same time, the company also announced the addition of two new acid colors to its line of textile dyestuffs. They are "Hidacid Fast Fuchsine 6B Concentrated" (Color Index 57) and "Hidacid Fast Red Concentrate" (Color Index 175).

## Amer. Cyanamid Reduces Two Molding Compounds

Plastics and resins division of the American Cyanamid Company, New York, has reduced "Melmac" plastic molding compounds "1077" and "1079" 3 cents per pound each. The new price of the materials in 20,000-pound lots is 45 cents per pound.

## Monsanto Names Francis

Monsanto Chemical Company's plastics division, Springfield, Mass., has appointed Sidney R. Francis, jr., sales representative for the firm's line of surface coating resins in the New York district office. Mr. Francis joined Monsanto in 1946 and has served the company in production and sales. He has just completed several months of training at the Springfield laboratories of the plastics division to prepare for his new assignment.

## General Electric Alkyds Promotion to Dr. Loritsch

Chemicals Division of the General Electric Company, Pittsfield, Mass., has appointed Dr. John A. Loritsch alkyds section engineer. In his new post he will be responsible for product development, application engineering, analytical and testing work for alkyd products.

Dr. Loritsch joined General Electric's research laboratory at Schenectady, N.Y., in 1940, working on "Permafil" development until 1945. He then was transferred to the resin and insulation materials division as a group leader on insulating materials. Last year he was named section engineer on insulating materials. Prior to his General Electric affiliation, he was with Rohm & Haas Company, Philadelphia, where he worked on product development.

## National Bureau Establishes Plastic Wall Tile Standard

The first commercial standard for polystyrene plastic wall tile has been announced by the commodity standards division of the National Bureau of Standards. Identified as "Commercial Standard CS 168-50 Polystyrene Plastic Wall Tiles and Adhesives for Their Application," it will become effective July 15.

## *Trade Briefs*

**Merkin Paint Company,** New York, has introduced "Merlux Super White," a new non-yellowing gloss architectural enamel.

**Oliver Tovet,** who retired from the Maas & Waldstein Company, paint manufacturer, Newark, N. J., in 1943, will, with Mrs. Tovet, celebrate their sixtieth wedding anniversary July 1 at their home, 313 Broadway, Newark.

**F. P. Van Hoesen Company,** distributor of Martin-Senour products in Buffalo, Rochester and Syracuse, N. Y., has named Ralph Bozart, formerly of Wesco Water Paint Company, manager of its Rochester branch.


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## NE Paint Club Outing Wed.; To Elect Officers

New England Paint, Varnish & Lacquer Association will hold its annual golf outing June 28 at the Kernwood Country Club, Salem, Mass. In addition to golf, afternoon events will include target practice, horseshoes, archery, darts, horse racing and softball. Luncheon will be served from 11:30 a.m. to 2 p.m., and dinner is scheduled for 7 p.m. Election of officers will take place following the dinner.

Nominees and their respective offices follow:—Edward J. Knittel, Spencer Kellogg & Sons, Inc., Boston, president; Oscar D. Clark, Clark-Lurton Corporation, Cambridge, Mass., vice-president, and J. Ralph Stout, secretary-treasurer. Nominated for two-year terms on the executive committee are Earl W. Diener, Titanium Pigment Division, National Lead Company, Boston; William H. Sipp, Sherwin-Williams Company, Boston, and Martin S. Swanson, Raffi & Swanson, Inc., Chelsea, Mass.

## Atlas Promotes Craig, Ericson at N. Chicago

Industrial finishes division of Atlas Powder Company, Wilmington, Del., has appointed C. W. Craig and C. E. Ericson manager and comptroller, respectively, of the firm's North Chicago, Ill., branch. At the same time, Casper Apeland, formerly branch manager, has been named special representative for market research for both the North Chicago and Stamford, Conn., plants.

Mr. Craig has been with Atlas for ten years, the past three as assistant manager at North Chicago. Mr. Ericson joined the Atlas company in 1933 and has held the post of office and credit manager. Mr. Apeland was one of the founders in 1919 of the Brevolite Lacquer Company, North Chicago, later acquired by Atlas.

## PPG Veteran Feted

Oscar Olson, a packer in the Newark, N. J., paint plant of the Pittsburgh Plate Glass Company, is eighty-one years old. He began working sixty years ago with the H. W. Johns Company, which was acquired in 1902 by the Patton Paint Company, which, in time, later became a unit in the PPG organization.

In recognition of Mr. Olson's completion of his sixtieth year, his fellow-workers gave him a party at the plant June 21. T. R. Collins, plant superintendent, and A. B. Bingham, divisional director of the company, told everybody what a good man Oscar was. The plant whistle was blown six times. And Mr. Bingham presented the veteran packer with a scroll signed by all the workers in the plant. Oscar said nothing.

## Bennett Aims at Senate

Wallace F. Bennett, of Bennett's, paint manufacturer, Salt Lake City, and former president of the National Association of Manufacturers, has been selected as a candidate for the Republican nomination as United States Senator in the Fall primary. In order that his campaigning may be adequately attended to, he has resigned from the chairmanship of the NAM board.

### Naugatuck Chemical Moves Vinyls Sales, Technical Staff to Conn.

Naugatuck Chemical Division, United States Rubber Company, New York, has transferred sales and technical service headquarters for 'Marvinol" vinyl resins from Baltimore, Md., to Naugatuck, Conn. The move was said to be aimed at broadening research activities in vinyl resins and improving customer service. About sixty-five sales and technical personnel were affected by the transfer, including Harold M. Parsekian, manager of vinyl sales, who will make his headquarters at Naugatuck.

### Standard Varnish Assigns Sesnick

Stephen E. Sesnick has been appointed a technical sales representative for Standard Varnish Works, New York, in the New Jersey territory.

Ernest N. Field has been appointed a technical sales representative in the Connecticut territory, the company also announced.

### Shellac Bureau Offers Pamphlet

Shellac Information Bureau has published a new six-page pamphlet detailing information on shellac finishes for floors and furniture. A special section dealing with unfinished furniture gives directions for producing flat, pickled or natural finishes. Copies are available upon request to the bureau, 65 Pine street, New York 5.

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**Alkyd resin,** approx. 2,584,000 pounds, period contract, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,754, July 6.

**Calcium hydroxide,** 700,000 pounds, Navy Purchasing Office (New York 3) invitation 6778, July 10.

**Chloroacetophenone,** 22,400 pounds, Army Chemical Center, Md., invitation 664, July 14.

**Chromic acid,** 10,000 pounds, Army Ordnance Department, Springfield 1, Mass., invitation 128, July 18.

**Compressed gases:** ammonia, anhydrous, 20,000 pounds, July 1, 1950, U. S. Air Force, Wright-Patterson Base, Dayton, Ohio, invitation 096-699, June 27; nitrogen, invitation 096-694, June 27; invitation 096-696, June 27; hydrogen, welding, invitation 096-695, June 27; argon, welding, invitation 096-697, June 27; acetylene, welding, invitation 096-693, June 27; oxygen, welding, invitation 096-692, June 27; acetylene & oxygen, Army Quartermaster (Schenectady, N. Y.) invitation 94, July 17.

**Corrosion inhibitor,** 46,000 gallons, Navy Purchasing Office (New York 3) invitation 6721, July 7.

**Duplicating liquid,** 7,000 gallons, Navy Purchasing Office (New York 3) invitation 6717, July 6; 3,152 gallons, Federal Supply Service (Washington 25) reference 90517(3), July 18; 1,208 gallons, reference 90514(3), June 30.

**Fats and oils,** edible: shortening, 5,000 pounds, Federal Supply Service (Washington 25) reference 1D-90296, July 3; vegetable, salad oil, 4,200 gallons, reference 1D-90386, July 5.

**Fire extinguisher liquid,** 6,664 quarts, Federal Supply Service (Washington 25) reference 90516(3), July 18; 3,612 quarts, reference 90515(3), June 30.

**Industrial chemicals,** various, 4,975,400 pounds, Federal Supply Service (Washington 25) reference ECA-89-380-6216-1(3), June 29.

**Lead, white,** type B, 5,000 pounds, Army Ordnance, Picatinny Arsenal, Dover, N. J., invitation 437, July 10.

**Metal finish,** nonflammable, 170,000 pints, Navy Purchasing Office (New York 3) invitation 6724, July 7; 74,208 pints, Quartermaster Purchasing Office (New York 3) invitation 1027, July 19.

**Niter cake,** 70,000 pounds, Navy Purchasing Office (New York 3) invitation 6733, July 7.

**Paint, enamel, etc.:** paint, fire resistant, 410 gallons, U. S. Air Force, Camp Edwards, Falmouth, Mass., invitation 29, June 28; semi-gloss, 380 gallons, New Castle County Airport, Wilmington, Del., invitation 8, June 27; paint, 1,670 gallons, enamel, 1,547 gallons, metal primer, 1,000 gallons, Army Engineers Corps (P. O. Box 59, Louisville 1, Ky.) invitation CIVENG-117, June 27; enamel, 26,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,785, June 26; paint, aluminum, 2,000 gallons, zinc chromate, 750 gallons, Army Ordnance, Joliet Arsenal, Ill., invitation 171-50, June 26; paint, 500 gallons, invitation 171-53, June 28; 1,200 gallons, Indiana Arsenal, Charleston, Ind., invitation 12, June 27; lacquer, 3,500 gallons, and thinner, Picatinny Arsenal, Dover, N. J., invitation 425, July 6; paint, 650 gallons, and enamel, 150 gallons, Army Quartermaster (37 Commerce street, Baltimore 2) invitation 147, June 27; paint, 210 gallons, and enamel, 70 gallons, Federal Supply Service (Kansas City 6, Mo.) reference KC-10425, July 7; paint & allied products, 7,436 gallons, Federal Supply Service (East Point, Ga.) invitation 06-11523, June 29.

**Phthalocyanine blue,** 500 pounds, Bureau of Engraving & Printing (Washington 25) invitation BEP-563, June 27.

**Protective compound,** 39,600 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,717, July 10.

**Soap, grit,** 11,250 pounds, Federal Supply Service (Washington 25) reference 90360-(3), July 12; 5,400 pounds, reference 90529(3), June 30.

**Sodium chloride,** as required from July 1, 1950, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 096-700, June 27.

**Tallow,** 30,000 pounds, Naval Supply Center, Norfolk, Va., invitation 9002, July 3.

**Thinner,** lacquer, Veterans Administration (Washington 25) invitation M-191, June 27.

**Sodium thiosulphate,** 12,700 pounds, Federal Supply Service (Washington 25) invitation 3-W-90138-R, July 3.

**Wax, floor,** 4,400 gallons, Federal Supply Service (New York 13) reference NY-6716, July 3; 365 gallons, and emulsion, 4,400 gallons, invitation NY-W-22988, June 27; 330 gallons, and paste, 3,300 gallons, Federal Supply Service (Chicago 6) invitation CH-23701, June 27.

**Zinc oxide,** for chemical warfare use, 154,800 pounds, and grained aluminum, 16,920 pounds, Army Chemical Center, Md., invitation 663, July 14.

### Dow Chemical Adds J.C. Tobin To Plastics Staff in Chicago

Addition of James C. Tobin to the Chicago office has been announced by Donald L. Gibb, manager of the plastic sales division, Dow Chemical Company, Midland, Mich. Mr. Tobin recently assumed his new duties as molding powders salesman for the area. A graduate of the University of Wisconsin, Mr. Tobin was formerly associated with Fairbanks, Morse & Company. He recently completed a plastics training course in Midland.


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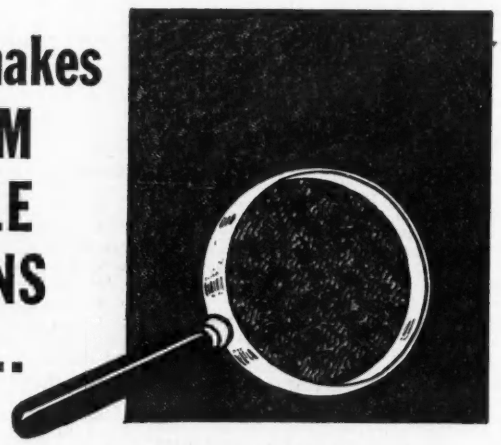


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This new odor-reduced "Special Improved Stearic Acid" is of importance to manufacturers of fine cosmetics, food emulsifiers, soaps, stearates and other products demanding the highest fatty acid content possible.

A. Gross' Stearic Acids follow the natural balance of Palmitic Acid and Stearic Acid as found in tallow. The importance of the Palmitic Acid content (55%) of natural Stearic Acid, whether for the production of quality face creams or durable buffing compounds, cannot be discounted.

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# Oils, Fats and Waxes

Edible vegetable oils rallied last week and recovered a part of the sharp price reductions of the previous week, while animal oils were unsettled by the further decline in tallow and grease. Price index advanced 0.3 points.

Soybean oil was irregular and early advances were not maintained. Cottonseed and peanut oils also were stronger and higher, while corn oil was easier and off slightly. Coconut oil was steadier following the advance in copra, though demand for the oil was inactive.

Tallow and grease were off fractionally, except yellow grease, which was unchanged. Trading continued restricted for domestic use at the decline, while demand for export continued active. Several thousand tons were booked for shipment to Japan. Animal oils were unchanged, though quotations were easy and entirely nominal.

Tung oil reacted higher, following improved demand and limited offerings for spot and forward deliveries, which were advanced about ½ cent per pound. Offerings for shipment from China also dried up. Linseed oil continued steady at prevailing prices, though new business was reported confined to actual requirements. The call for oil against contracts however was active.

## Market Trends

**Prices Advanced**

Coconut oil, ½c. per lb.
Copra, $10 per ton.
Cottonseed oil, ¼c. per lb.
Peanut oil, ½c. per lb.
Tung oil, 1½c. per lb.

**Prices Reduced**

Corn oil, ¼c. per lb.
Grease, choice, white, ¼c. per lb.
house, ¼c. per lb.
Tallow, ¼c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Dec. 30, 1949 | June 24, 1949 |
|---|---|---|---|---|
| 116.9 | 116.6 | 121.9 | 111.3 | 115.1 |

(For Current Prices see Page 9)

## Cottonseed Oil

Bleachable cottonseed oil futures rallied and regained partial losses of the week previous. The market was more stable, reflecting light selling pressure. Trading was active and prices scored moderate advances. Firmer crude oil and allied markets were contributing factors. The pig report which was considered bearish had little effect on cottonseed oil, which continued to take action of soybean market as its barometer. The 1950 government pig crop production was forcast at 99,079,000 head, a peacetime record. The report indicated a greater than usual seasonal decline in pork products during next fall and winter.

Crude cottonseed oil stronger, advancing ¼c. for the week. Trading was reported light. Tankcars were nominal at 13½c. per pound, tankcars, Southeast, 13⅜c., Valley and 13¼c. bid, Texas. Reports of the government sale of 70 tankcars at 13¼c. per pound, f.o.b. Texas points were unconfirmed.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended June 23 follow:—

| | Sales | Cents per pound High | Low | Close |
|---|---|---|---|---|
| July | 181 | 15.82 | 15.33 | 15.40—15.33S |
| September | 717 | 15.60 | 15.02 | 15.08S |
| October | 208 | 14.86 | 14.20 | 14.23—14.20S |
| December | 433 | 14.60 | 13.92 | 13.90S |
| March | 34 | 14.45 | 13.92 | 13.92S |
| May | 39 | 14.55 | 13.95 | 13.89@13.92 |

Total sales, 1,612 tankcars, including switches.

*Memphis.*—Crude cottonseed oil quoted at 13⅜c. per pound, tankcars, Valley and crude soybean oil at 13c., same basis. Business was light. Cottonseed meal, 41 percent held at $66 per ton, sacked Memphis. Cake 41 percent slabs, $61 per ton, bulk. Stocks limited, with demand improved. Cottonseed hulls, $16 per ton, sacked, Memphis with supplies about exhausted.

## Linseed Oil

Consuming demand continued restricted to immediate requirements. While volume of sales was light, the market was steady, reflecting the limited offerings of seed from growers. Raw oil ranged from 17.70c. to 17.90c. per pound, tankcars, Zone 3, June-September delivery as to seller. Withdrawals of oil against contracts were quite active.

*Minneapolis*—Paint manufacturers booked only small amounts of linseed oil during the past week in the face of competition from West Coast and Texas new-crop offerings. Sales made were mostly through August. Zone 1 tankcar prices on raw linseed oil held steady at 17.1c. to 17.3c. per pound, and drums, carlots, at 18.3c. per pound. The continued boom in homebuilding proved heartening to the trade.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

| | 1949-50 | 1948-49 |
|---|---|---|
| This week | 8,320,000 | 8,400,000 |
| Since Sept. 1 | 351,540,000 | 305,078,000 |

**Flaxseed**—Trading was moderate for crushers account. Heavy seed receipts went to CCC.

*Minneapolis*—Flaxseed continued to pour in from the country on CCC account the past week. Total receipts at the Minneapolis Grain Exchange amounted to 649 cars, compared with 360 cars in the preceding week. Of the week's total, around 448 cars went to the CCC for storage in local terminals. Crushers picked up the balance of the "free" cars at prices ranging from $3.90 on poor quality seed to $4 a bushel on choice Northern seed. Early in the week they paid $4.05 on choice offers. To-arrive offers drew bids of $4. In the futures market there were only a few trades on the October contract. Prices were 5c. lower than a week ago at $3.25. Excellent progress was reported on new-crop flaxseed in the Upper Midwest area. Early growth was reported in fine condition. Shipments of cash flaxseed totaled around 208 cars during the week. Most of this was CCC flaxseed shipped to Duluth for shipment via the Great Lakes to Eastern crushers. About four cargoes of flaxseed left for Eastern points during the past two weeks.

Shipments and receipts of flaxseed from Minneapolis the past week, in bushels, were as follows:—

| Bushels— | Receipts 1949-50 | Receipts 1948-49 | Shipments 1949-50 | Shipments 1948-49 |
|---|---|---|---|---|
| This week | 1,103,300 | 68,000 | 353,600 | ..... |
| Since Sept. 1 | 19,606,200 | 32,337,500 | 3,924,400 | 8,233,000 |

## Other Vegetable Oils

**Castor Dehydrated**—Consumers absorbed moderate quantities for immediate delivery. Quotations were without change.

**Coconut**—Although trading was inactive the market was higher, with copra. Crude oil was quoted at 13¼c. per pound, tankcars, f.o.b. Pacific coast, and at 13½c. tankcars, New York.

**Copra**—Prices were advanced to $175 per short ton, c.i.f. Pacific coast. Reports of heavy purchases for shipment to Japan were unconfirmed.

**Corn**—This market continued easy. Crude oil was off ¼c., with light sales reported at 14c. per pound, tankcars, f.o.b. mills. Refined oil was easier at 17¼c. per pound, tankcars, New York delivery.

**Olive**—Trading lacked snap and was confined to small drum lots. Edibe oil was quoted at $1.90 to $2 per gallon, drums, spot duty paid. This level has been shaded for fair sized lots. Olive foots were quoted at 13½c. to 13⅞c. per pound, drums, New York, as to quantity. Arrivals of edible oil totaled 1,085 drums and 207 drums and 600 tons of foots at New York last week.

**Peanut**—This market rallied with cottonseed oil and advanced ½c. per pound. Crude oil was held at 13¾c. per pound, tankcars, f.o.b. mills, Southeast. June shipment and 14c. July. Refined oil was quoted at 16½c. per pound, tankcars, New York delivery.

**Soybean**—Market was unsettled with beans, but closed unchanged. Crude oil sold at 12½c. June-August and September was quoted at same figure. October-December was nominal at 10⅜c. Refined edible was quoted at 15¼c. per pound, tankcars, New York delivery. Reports that the government purchased large lots of oil for shipment to Germany were unconfirmed.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended June 23 follows:—

| | Sales | Cents per pound High | Low | Close |
|---|---|---|---|---|
| July | 34 | 12.94 | 12.15 | 12.19—12.15S |
| August | 3 | 12.75 | 12.05 | 12.05S |
| September | 22 | 12.60 | 11.99 | 11.99S |
| October | 12 | 10.75 | 10.60 | 10.20@10.35 |
| November | .. | ... | ... | 9.55@9.85 |
| December | 6 | 10.50 | 9.55 | 9.65—9.55S |
| January | 1 | 10.05 | 10.05 | 9.25@9.50 |
| February | .. | ... | ... | 9.00@9.75 |
| March | 3 | 10.25 | 10.00 | 9.25@9.65 |
| April | .. | ... | ... | 9.50N |
| May | .. | ... | ... | 9.50N |
| June | .. | ... | ... | 9.50N |

Total sales, 81 tankcars and switches.

**Tung**—Improved buying interest for prompt and forward delivery and scarcity of offers for shipment from China, stiffened the market. Offers for spot delivery also were reduced and quotations were raised ½c. to 23c. per pound, tankcars. Forward positions also were firmer with sales reported at 22¼c. per pound, tankcars, New York, August-October delivery, with ½c. more asked. Arrivals at New York totaled 680 drums from Taku Bar last week.

## Fats and Greases

**Greases**—Prices were lower, declining ¼c. per pound, except for yellow grease.

For Late Market Developments, See Page 4

Domestic demand was inactive. Export interest also was reported lacking. Choice white was quoted nominally at 5⅛c. per pound, loose, delivered; yellow, 3⅞c. and house, 3¼c., same basis.

**Lard**—This market was easier reflecting the bearish 1950 pig report. Trading was quiet for domestic use and export. Refined lard was lower at 12¼c. per pound, containers, f.a.s. and 12c. bid. The 1950 spring pig crop was indicated at 60,079,000 head, an increase of 3 percent from last Spring, according to the Bureau of Agricultural Economics. The number of sows farrowing this spring was 5 percent above last Spring, but the number of pigs saved per litter was 2 percent smaller than the previous Spring and only slightly above the 10-year average. For the coming Fall crop, reports on breeding intentions indicate a total of 6,017,000 sows to farrow, 5 percent above last Fall. The combined 1950 pig crop is now expected to be 99,000,000 head and would be 4 percent above 1949 and 10 percent higher than the 1939-48 average. The number of hogs six months old and over on farms and ranches June 1 was 3 percent larger than last year, but 14 percent below the 10-year average. Stocks of lard and rendered pork fat in the United States totaled 128,679,000 pounds, June 1, against 108,105,000 pounds, May 1; 125,823,000 pounds, June 1 last year and 107,005,000 pounds, June 1, 10-year average.

**Tallow**—Market dropped another ¼c. for all grades last week. Domestic users purchased moderate quantities at the decline and withdrew from the market. Fancy was quoted at 5⅛c. per pound, loose delivered; extra, 4⅞c. and special, 4½c., same basis. While domestic demand was light, export business continued active. Fancy was sold at 6½c. per pound, drums, f.a.s. and bids of 5¾c. for loose were refused. Sales of several thousand tons were reported booked for shipment to Japan.

## Animal Oils

Lower cost of tallow and grease was not reflected in grease or tallow oils but quotations more or less nominal. Demand was light and spotty at unchanged prices, though carlot business, it was intimated, could have shaded asking prices. Neatsfoot oil demand was slow and prices unchanged.

## *Margarine Output: April*

Margarine production totaled 54,082,025 pounds in April, compared with 95,314,500 pounds in March, and 65,408,340 pounds in April, last year, according to the Bureau of Internal Revenue.

| | Pounds April 1950 | 1949 |
|---|---|---|
| Production of uncolored oleomargarine | 35,323,691 | 54,570,097 |
| Withdrawn tax-paid | 36,679,077 | 54,313,235 |
| **Used in Uncolored Margarine** | | |
| Butter flavor | 3,538 | 8,835 |
| Corn oil | 10,610 | 27,576 |
| Cottonseed oil | 17,350,396 | 27,450,368 |
| Derivative of glycerine | 51,206 | 85,335 |
| Diacetyl | 46 | 92 |
| Lecithin | 73,090 | 99,139 |
| Milk | 5,910,557 | 9,039,995 |
| Monostearin | 28,256 | 47,000 |
| Neutral lard | 208,336 | 371,336 |
| Oleo oil | 153,667 | 272,145 |
| Oleo stearin | 217,893 | 242,345 |
| Oleo stock | 18,725 | 40,970 |
| Peanut oil | 1,799 | 576 |
| Salt | 1,075,585 | 1,680,789 |
| Soda, benzoate of | 25,161 | 37,109 |
| Sodium sulpho acetate | | 4,117 |
| Soybean flakes | 1,856 | 430 |
| Soybean oil | 10,813,338 | 16,171,018 |
| Vitamin concentrate | 5,850 | 8,437 |
| Total | 35,950,511 | 55,637,662 |
| Production of colored oleomargarine | 18,402,948 | 11,095,055 |
| Withdrawn tax-paid | 18,124,344 | 10,409,087 |
| **Used in Colored Margarine** | | |
| Butter flavor | 3,067 | 4,184 |
| Coconut oil | | 40,069 |
| Color | 10,980 | 6,076 |
| Corn oil | 3,700 | 425 |
| Cottonseed oil | 9,403,857 | 5,320,383 |
| Derivative of glycerin | 23,359 | 13,868 |
| Diacetyl | 14 | 12 |
| Lecithin | 37,193 | 20,383 |
| Milk | 3,130,375 | 1,892,896 |
| Monostearin | 12,697 | 7,594 |
| Neutral lard | 21,780 | 9,925 |
| Oleo oil | 32,840 | 15,750 |
| Oleo stock | 6,500 | 2,375 |
| Peanut oil | 477 | 1,721 |
| Salt | 560,992 | 348,629 |
| Soda, benzoate of | 12,735 | 6,168 |
| Soybean flakes | 1,484 | |
| Soybean oil | 5,532,499 | 3,663,587 |
| Vitamin concentrate | 3,157 | 1,674 |
| Total | 18,799,506 | 11,355,919 |


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## Fish Oils

**Fish Oils**—Refined grades continued in fair demand for prompt needs. Prices unchanged and steady. Crude menhaden oil remained quiet and nominal at 6c. per pound, loose, Baltimore. Crude sardine was inactive with producers asking 6½c. to 7c. per pound, loose, f.o.b. Pacific coast points.

*Los Angeles*—Sardine oil market was quiet last week. New crop oil was quoted at 6.5c. per pound, f.o.b. San Pedro, and 7c. per pound, f.o.b. Monterey. A small amount of mixed mackerel and tuna oil was introduced on the market and sold at 5c. per pound, f.o.b. Los Angeles. No trading was reported for tuna oil, listed nominally at 4.75c. per pound, f.o.b. Los Angeles.

**Whale**—Reports from Norway indicated whale and sperm oils 1949-50 production at 2,159,170 barrels, of which 2,021,770 barrels consisted of whale and 137,395 barrels of sperm oil. British Ministry of Food purchased 50,000 long tons of the Norwegian output; West Germany, 10,000 tons; Denmark, 6,135 tons; Sweden, 4,000 tons, and Belgium, 3,300 tons. The British and South African whale oil production, totaling 93,440 long tons, was sold to the British Food Ministry. The Netherlands absorbed the Dutch production of 77,370 barrels of whale, and 4,950 barrels of sperm oil.

## Cake and Meal

**Cottonseed Cake and Meal**—Forty-one percent sacked meal was quoted at $65.50 per ton, Memphis; $71 to $72 Georgia mills; $72 to $72.50 Carolina, for June-July shipment. Quotations out of Texas on 41 percent loose slab cake ranged from $51 to $53 per ton, and $60 Valley, June-July shipment.

**Linseed Meal**—Market continued easy. Trading light and spotty.

*Minneapolis*—Demand was very draggy on linseed meal the past week. Inquiries were light. Feeders and feed manufacturers stepped into the market only for small amounts for nearby shipment. Extracted linseed meal was $1.50 to $2 per ton lower than a week ago, and expeller meal at $2 a ton lower.

Shipments of linseed meal from Minneapolis the past week, in pounds, were as follows:—

| | 1949-50 | 1948-49 |
|---|---|---|
| This week | 10,860,000 | 13,500,000 |
| Since Sept. 1 | 668,350,000 | 535,500,000 |

**Peanut Meal**—Old process is exhausted. New process quoted at $76 per ton, f.o.b. Alabama, June-July.

**Soybean Meal**—Forty-one percent sacked meal was offered at $81 basis Alabama mills, and $78 Mississippi Valley, June-July shipment.

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# Petroleum Derivatives

Both upper and lower field Pennsylvania crude oils advanced 10c. per barrel last week. Otherwise prices held at previous levels and demand remained firm. The supply situation was without significant change.

Toluol and xylol were called tight by most producers, although there was still one who said its supplies were ample. Demand was strong and gave indications of continuing that way. The demand for higher boilers remained strong and supply continued tight. Blends were in largely the same position. Aliphatics were in good demand, and with the season of heavy demand in the paint industry here, the call was expected to be good for some time yet. Supplies were at levels high enough to meet it without difficulty. Heptane, hexane and pentane were in a largely unchanged position. LPG's were now moving in Summer volume and were expected to continue until after Labor Day. Supplies were at good levels. Prices showed no signs of undergoing any changes in the immediate future.

The call for microcrystalline waxes was strong and supplies, while generally sufficient to satisfy the normal needs of the market, were somewhat strained to keep up with the pace of call. The demand for crude and refined paraffin was off slightly but, for the time of year, was entirely normal and was causing no particular concern. Petrolatum and white mineral oils were both in good demand and the supply was up to the call.

## Solvents and Diluents

**Aromatic Solvents**—Demand for both toluol and xylol continued to run high and the indications were that it would continue that way. Supplies were generally to be on the tight side although there was still one producer who stated that its supply position was comfortable. There were no changes in price and no signs that any were contemplated in the immediate future.

Demand for higher boilers continued strong and the supply on the tight side. No changes were reported in price and none were expected in the immediate future. Blends were in strong demand and while there was a generally snug condition it was said by one producer that it could make shipments within a few days after receipt of orders. Pricewise, there were no changes and none were indicated for the immediate future.

**Cleaners' Naptha**—Demand continued on a good plane during the past week, as it had been doing for some time. Supply was reported to be at a good point, with stocks at satisfactory levels in all areas. Pricewise, the market was without change and there were no indications that there would be any revisions in the immediate days ahead.

**Lacquer Diluent**—Supplies were at a good point during the past trading period and despite the fact that the demand was at strong levels, there was sufficient of the material available to take care of the needs of the market without difficulty. With business holding at a high level, offerings were available for prompt shipment in all areas. Prices held at their previously established plane and there were no signs that there were any revisions to be made in the near future.

**Mineral Spirits**—Demand was at good levels last week, and the seasonal influx of orders from the paint industry had a good deal to do with it. Although the demand was high, there was sufficient of the material available to accommodate the needs of the market without difficulty. Prices held at their former levels with no signs that any revisions were impending.

**Rubber Solvent**—The tire industry was taking a big share of the output, as it had been for some time past, and there were still large orders going elsewhere in the general market. Despite the fact that call was high, there was sufficient of the material available to satisfy the needs of consumers and there were no pinches reported.

**Stoddard Solvent**—Demand continued to hold up well during the past week and the paint trade, now in its busy time of the year, was responsible for taking large amounts of the material. Despite the strength to the demand, there was sufficient material available to take care of normal orders and there were no pinches reported. Prices held at previously established levels and showed indications of doing so for the immediate future.

**V. M. & P. Naphtha**—Supply was without any particular change during the period under review. There was enough material on hand to satisfy the needs of consumers, despite the fact that the demand was high and gave indications of continuing that way, now that the paint trade, one of the largest consumers, was in its heavy season. There were no changes reported in the price structure and there were no indications that there would be any in the immediate days ahead.

### *Market Trends*

**Prices Advanced**

Crude oil, Pennsylvania, upper and lower fields, 10c. per barrel.

**Prices Reduced**

None

*(For Current Prices see Page 9)*

## Lighter Fractions

**LPG's**—Pricewise, the market was without change, and none seemed indicated at this time. The industry was feeling the summer load. Demand was said to be a bit above normal and similarly somewhat above that of last year. It was expected to continue until Labor Day or shortly thereafter, to be followed by some falling off until the winter demand sets in about the end of October.

## Waxes

**Microcrystalline** — Demand continued strong last week, a position in which it had been for some time back. Supplies were in reasonably good shape as far as quantity was concerned, but with the demand what it was, it was putting a good deal of strain on the availability.

**Paraffin**—Demand for both the crude and refined grades, which had been at fairly high levels recently, was reported to have fallen off a bit recently. This drop in call was considered an entirely normal thing, however, considering the time of year, and did not cause any particular worry in the industry. Opinion on supply ranged from adequate to satisfactory, but there were no really serious problems in filling the needs of the market.

## Miscellaneous

**Crude Oil**—Pennsylvania upper and lower field oils rose 10c. per barrel last week. This was the fourth advance in twelve months and was brought about by tightened supply and increased demand.

**Petrolatum**—Demand continued at good levels during the week and the supply was sufficiently high to meet it without difficulty. There were no changes in the price structure and none were contemplated.

**White Mineral Oils**—A steady demand was still apparent in the market for this material last week. Supply was at satisfactory levels. Prices held and gave no signs of changing in the immediate future.

## Los Angeles Petroleum Market

Business is reported good on solvents and diluents with supplies adequate to meet the present seasonal demand. Cleaning solvent is quoted from 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis, and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Excessive stocks are continuing to build up in view of a weak LPG market here. Both propane and butane listings are unchanged at 5.3c per gallon, tankcars, f.o.b. Los Angeles.

The paraffin wax market is steady with adequate supplies available to meet present demand. No price changes are reported with 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted at 6.95c. per pound. 146/148 ASTM, same basis, quoted 7.15c per pound. 157/162 ASTM, same basis, quoted at 7.6c. per pound. Tankcar prices are listed at 6.05c., 6.25c. and 6.9c. per pound respectively.

### *Crude Oil Stocks*

Stocks of domestic and foreign crude petroleum at the close of the week ended June 10 totaled 239,464,000 barrels, according to the Bureau of Mines. Compared with the total of 238,772,000 barrels, comprising an increase of 1,236,000 barrels in stocks of domestic crude and a decrease of 544,000 barrels in stocks of foreign crude.

*For Late Market Developments, See Page 4*

PROCESS MATERIALS

Petroleum Naphthas and Solvents
Plasticizers and Extenders for
Plastics and Rubber-Toluol and Xylol
Paraffin and Microcrystalline Waxes

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|---|---|---|---|---|---|
| 200 | 190/195 | 10 max. | Bro. Black | Nil | Nil |
| 500 | 190/195 | 10 max. | 2 to 2½ | Nil | Nil |
| 700 | 190/195 | 5 max. | 2 to 2½ | Nil | Nil |
| 1035 | 195/200 | 2 max. | 2 to 2½ | Nil | Nil |
| * 23 | 180/185 | 6 max. | 6 max. | 20/25 | 55/65 |
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PWQ 50-3

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Furthermore his quotation to you usually includes dismantling and loading on car or truck, so that his price is your cost, and you pay no extras.

Furthermore you buy from a reputable dealer with the assurance that whatever representations he makes will be lived up to, because he wants your business again. "Caveat Emptor" (let the buyer beware) is as obsolete as last week's newspaper, so far as our customers are concerned. So, when you want good Used Machinery, see us and BE SURE.

## SPECIAL ITEMS FROM STOCK

**RUBBER SHRIVER FILTER PRESSES**

3—36" x 36" Shriver Rubber Filter Presses, semi-hard 1½" rubber plates, rubber covered 3" cast iron frames; 4-eye, corner feed, closed delivery, washing type. Each 18 chambers. Each with 50-ton Seco closing device.

2—#12 SWEETLAND FILTERS, 36 leaves on 4", also 72 on 2".
2—900 gal. closed, jack., agit. STEEL KETTLES, 10 H.P. Motors & drives.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' x 7'6".
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—No. 4-TH MIKRO PULVERIZER. Also #2-TH with motors.
1—Standard Knapp auto-type Top and Bottom Gluer-Sealer, #429, self-adjusting for width and height. 25' Compression Unit. Late type. Excellent condition. Attractive price.
2—6' dia. x 8' Oliver STAINLESS STEEL trough type continuous VACUUM FILTERS.
1—30" x 30" ALUMINUM PLATE AND FRAME FILTER PRESS, Sperry—43 chambers, side feed, open delivery, used on pectin. In excellent condition and for immediate shipment.
1—500 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 5'x6', jacketed, with drive and motor.

**STAINLESS STEEL ROBALL SIFTERS**

8—No. 71 J. H. Day Co. "Roball" Sifters, single deck, screening surface 40" x 84", with STAINLESS STEEL SIEVE FRAMES, SCREENS, FEED AND DISCHARGE HOPPERS, etc., each with 2 H.P. Motor and steel stand. Used 3 times only.

**Baker Perkins heavy duty dispersion mixer—stainless steel, 100 gal. working capacity hydraulic tilt, suitable for vacuum, with drive and 60 HP motor, complete.**

**VACUUM DRYERS**

3—Rotary Vacuum Dryers: 5' x 33' and 5' x 25' Devine; 4 x 20' #59-C Stokes; 3 x 15' #59-B Stokes; each complete with auxiliary equipment.
4—Vacuum Shelf Dryers: #4-C Devine with 9—40" x 43" shelves; #11 Devine, 17—40 x 43" shelves; Devine with 18—59" x 78" shelves; Devine #23 with 13—59 x 78" shelves; 29—40 x 43" extra welded vacuum dryer shelves.
1—Vacuum Drum Dryer, double rolls, each 42" dia. x 120", complete, made by Buffalo F. & M. Co.—Also 5' x 10'6" Devine with single bronze drum.

9—Double Drum Atmospheric Dryers: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.
8—Single Drum Atmospheric Dryers: Two UNUSED 48" x 48" Goslin-Birmingham; 48 x 40", 5 x 12' Buffalo; 4 x 5' chrome clad; 4 x 9' Albright-Nell.
1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.
9—DIRECT HEAT ROTARY DRYERS: 3'6" x 24'; 4' x 30'; 4'6" x 40'; 5' x 30'; 5' x 50'; 6' x 60'; 8' x 60'; 9' x 85'; 11'6" x 120'. Also ROTARY KILNS up to 9'6" x 250'.
2—5'4" x 40' Ruggles Coles STAINLESS STEEL ROTARY DRYERS for direct heat or low temperature hot air. Also one nickel dryer.
1—6' x 60' Louisville Rotary Steam Tube Dryer, with unused and new welded steel shell and tubes, 27—4½" and 27—3" tubes.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.
1—8' x 12' Oliver ACID PROOF FILTER, lead fitted.

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Mikro 4TH, 2TH, 1SH & Bantam Pulverizers; Jay Bee, 3AT & U1, Schutz-ONeill, Stedman Mills.
Baker Perkins and Readco Heavy Duty 100 and 150 gallon cap. Double Arm Jacketed Mixers.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 gallons up to 450 gallons, with and without Jackets, Single and Double Arm Agitators.
Day and Robinson 100, 600, 2,000, 4,000 lbs. Dry Powder Mixers and Sifters.
Robinson 800 lb. Stainless Steel Dry Powder Mixer.
Day 80 gal. Brighton Change-Can Mixer.
Lee 400 gal. Stainless Steel 90 lb. S. J. Mixing Kettles.
Copper Steam Jacketed high-pressure Kettles, with and without Agitators.
Huhn and Hersey Steam and Gas Fired Rotary Tubular Dryers.
Kent Three Roll Roller Mills, 12" x 30" and 16" x 40" sizes.
Houchin Aiken & N.E. Soap Mills.
S. & S. G1 & G4 Auger Fillers.
Knapp E adj. Wraparound and Spot Labeler, 1 gal. cap. (also for jars with ears).
Burt auto. Wraparound Labeler.
Colton & F. J. Stokes Eureka & RD3 Rotary Tablet Machines.
F. J. Stokes DDS-2 23-punch Rotary Tablet Machine.
Triangle Package models U Auger, G2C, G2S, A2C, N2CA & A60A Electri-Pak 6 head Fillers.
Triangle model SHA auto. Net Weigher and Carton Sealer.
Colton 4PF Cream Filler.
Filler 1, 2, 4, and 8 head stainless steel Piston Fillers.
Ceco Carton Closer.
Jones Cartoner.
Knapp No. 429 Carton Sealer.
Package Machy. Co. Models FA, DF, FAQ and FA2Q fully automatic Cellophane Wrappers.
Scandia SFC and Miller semi automatic Cellophane Wrappers.
Pony M, ML and MX Duplex Labelrites, Ermold and World semi and fully automatic Rotary and Straightaway Labelers.
Horix Stainless Steel Rotary and International Straightline automatic Vacuum Fillers.
Ayars #10 Can Rotary Filler.
Sweetland, Vallez, Sperry, Shriver, Ertel, Johnson and Republic Filter Presses.

*MANY OTHER ITEMS OF INTEREST IN STOCK*
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Union STANDARD EQUIPMENT CO.
318-322 LAFAYETTE ST., NEW YORK 12, N.Y.

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1—Autoclave Cast Steel 300 gal. 2,000±.
1—ATM Co. Stainless Steel 26" Sus. Style Centrifuge, DMD.
2—Condensers Stainless Steel 100 to 175 ft. Surface.
2—Witteman 22" x 38" Atmos. Double Drum Dryers.
1—S & S Continuous Dryer App. 27' long.
4—Filter Presses C.I. 12" to 36" Plate & Frame.
3—Stainless Steel Tanks 3,450 gals. with S.S. Coils.
7—Stainless Steel 2" Coils 6', 7' and 8' dia.
1—Charlotte Colloid Mill S.S. 20 H.P. A.C. Motor.
2—Abbe Eng. 6' x 8' Buhrstone Lined Mills.
2—W & P Mixers D. A. Jacketed 100 gal. wkg. cap.
2—Fitzmills Stainless Steel, Model D—3 & 5 H.P.
4—Roball & Rotex Screens 40" x 84" to 48" x 120".
4—Stokes "F", "T" and "R" Single Punch Tablet Machines.
4—Stainless Steel Bubble Cap Columns 6' x 30'.

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533 West Broadway
New York 12, N. Y. GRamercy 5-6680

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S.S. Double Drum Lab. Vac. Dryer, 6" x 7½". Like New.
S.S. Rotary Vac. Dryer, 3' x 15', with all accessories.
Lab. ±00 Banbury Mixer.
Day 40 gal. 2 speed s.s. Mixer with motor.
Sparkler 18" S.S. Filter, 4 plate.
S.S. Colloid Mills, all sizes and makes.
S.S. Autoclaves, high pressure, ¾ gal. & 120 gal.
2 S.S. Spray Dryers, 6' x 9' and 18' x 52'.
Bowser & Niagara S.S. Pressure Filters.
S.S. Fitz Mill Model D, 7½ HP motor.
S.S. Tanks and Kettles, all sizes.

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289-10th ST., BKLYN 15, N. Y.

**CRUSHERS & MILLS**—Abbe Size 8 Grinder.
Abbe, 4-cage, 22"x12".
Abbe Ball Mill, 38"x38".
Abbe Ball Mill, No. 150, 3'x7"x3'8".
Ball Mill, 5'x6', chr.-mn., Type DJX.
Ball Mill, 6'x16', chr.-mn., Type DJX.
Jeffrey A2, 36"x24", Swing Hammer.
Day, Paint Mill, 3-roll, 16"x40".

**MIXERS**—#3 Super Ajax, 173 gals.
Blystone, heavy duty, 4'x6'7".
1½ SA Readco, 88 gals.
Sprout Waldron, jack'td., SS ribbon, 20 cu. ft.
Champion, Type E, Size 2, 110 gals.
Binks, Type TM-60, 100 gals.

**KILNS, DRYERS, COOLERS**—4'x30' Traylor.
3'x35'x⅜" Bonnot.
6'x40'x½" Bonnot.
7'x45'x½" Link Belt.
9'x24'x½" Link Belt, Roto Louvre.
Truck Dryer, 6'8"x12'x12'. (UNUSED).
Buflovak, single drum, vac., 24"x20", SS drum, vari-drive w/vac. pump.
Spray, 3'x6', SS, electrically heated.

**CENTRIFUGE**—Bird, continuous, 24"x24", Unit entirely rebuilt.

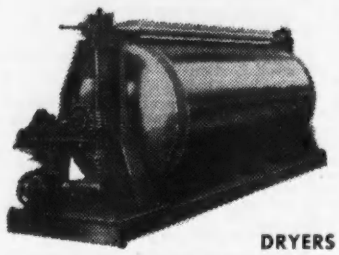
**PIPE & FITTINGS** — Karbate, ½" to 6". (UNUSED).

**PUMP**—Nash Hytor, vac., size H8 (Unused). Crowell, Vac., 17 cu. ft., w/motor.

*(This is only a partial listing of our inventory. Send us your inquiries.)*

Heat and Power Co., inc.
70 PINE STREET DIGBY 8-0373 NEW YORK 5, N. Y.

# BUY GOOD USED FMC EQUIPMENT with ASSURANCE



### DRYERS

Two Struthers Wells Stainless Drum Dryers, 5'x10' with accessories.
2877—Buflovak Double Drum Dryer, 32"x72" complete.
2826/L1—Pittsburg Lectro Dryer ±250.
2834/C1—Devine Vac. Shelf Dryer; 40"x48"x22".
2579/A3—Two Devine Vacuum Chambers No. 11; 40"x50"x69".
2499—Stokes 3'x5' Nickel Rotating Jacketed Vac. Dryer.
Proctor & Schwartz 3 Pass Dryer with S.S. Belt; 7'8" wide x 14'6" high x 20' long complete.
Proctor & Schwartz Single Pass Dryer; 9 sections; 11' wide x 44' long.
Buffalo Single Drum, Chrome Plated Vac. Dryer, 5'x12' complete with Vac. Pump, receivers and accessories.
Buflovak TWIN Drum Dryer; chrome plated; 32"x52".
2—Goslin Birmingham Drum Flakers; 4'x4'.
1—Buffalo Stainless and Chrome Lab. Flaker; 12"x18".
3—Link Belt Multi Louvre Dryers; Nos. 310, 610, 1003.

### REACTORS - EVAPORATORS

2957/5—Three 250 Gal. Stainless (Type 316) Pressure Vessels; 3'x4'; ASME-U69; 30#; Dished Heads.
3755/R18-19—Two Steel Coil Heated Vacuum Stills; 54"x96"-48"x90"; with accompanying Receivers.
2879/L6—Stainless Steel Reactors, 300 gal., 500 gal. and 1,200 gal.
3017/A—Three Struthers Wells Type 302 Stainless Vacuum Reactors; 4'6"x7'11".
2966—Zaremba Triple Effect Copper Evaporator 220 sq. ft. per effect.
2895/E3—Devine Single Effect Steel Evaporator with Barometric Condenser.
2540/C7—Mojonnier Copper Vacuum Pan 6'x16' with Calandria section.

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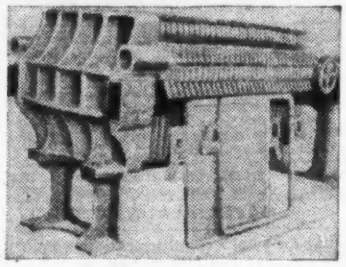
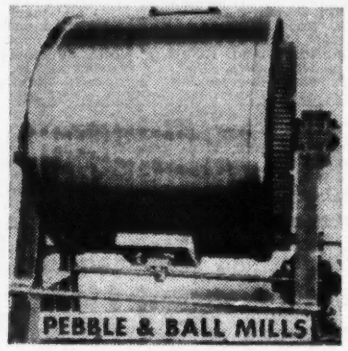


### FILTER PRESSES

Six 36" Cast Iron Filter Presses; 45 Chambers; open delivery.
Shriver 30" Cast Iron Plate and Frame Filter Press; 28 Chambers.
Sperry 36" Recessed Filter Press; 66 plates; Cast Iron; top corner feed.
Eimco Stainless Drum Filter, 4'x6'.
Feinc Filters; acid resistant; string type; 8'6"x8' and 10'6"x16'.
Turi Type B Automatic Filter; rotary leaf pressure Filter; 900 cu. ft.
Oliver Derrco Type Rotary Vacuum Filter; 6'x3'; nickel contacts.
2—Bird Continuous Solid Bowl Centrifugals 40"x60" with contacts of Rubber and Hastelloy.



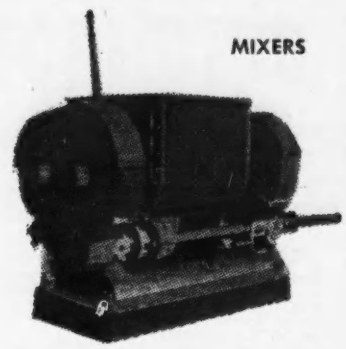

Buhrstone Lined Pebble Mills some with XPL proof motors; 18"x24"; 54"x60"; 62"x72"; 62"x82".
Standard Make Steel and Manganese Lined Ball Mills; Sizes: 30"x20"; 3'x3'; 4'x4'; 4'x7'; 6'x6'; 38"x64"; 6'x8'.
Hardinge Conical Ball Mills; 3'x8"; 6'x22"; 7'x48".

### SIFTERS

2487—J. H. Day Re-Ball Sifters; 40"x120"; two and three deck with 3 H.P. motors.

**FIRST MACHINERY CORP.**
157 HUDSON ST. WOrth 4-5900 NEW YORK 13, N. Y.

### MIXERS



2337—45 Mixers; W. & P. Type Heavy Duty; 100 Gal. Jacketed double geared; double arms, sigma or nabem; tilting.
2110/W—Readco Jacketed Hor. Ribbon Type Mixer; 210 Gal. 30"x33"x48".
2109—J. H. Day Jacketed Ribbon Type Mixer; 28"x26"x70".
2478—Baker Perkins, 100 Gal. Jacket Sigma Arm Mixer; 33"x38".
2986/K2—J. H. Day 400 Gal. Shortening Blender; 34"x37"x90" with 10 H.P.
1951/L1—MacLellan 20 cu. ft. Tumbling Batch Mixer; arr. for M.D.
2944/O4—MacLellan 80 cu. ft. Tumbling Batch Mixer with 7½ H.P.
2146/W1—J. H. Day 40 Gal. Pony Mixer; nickel lined; nickel can.
2986/K17—Two J. H. Day 75 Gal. Beater Mixers; 32"x32" with sigma blades; motorized.
2949—Two Ross Heavy Duty Unjacketed Dough Mixers; 16"x12"x16"; double arm, double geared; motorized.
2728/B1-2—Two Baker Perkins Stainless Steel 3 gal. Double Sigma Arm Dough Mixers; tilting.
2546/111—Lancaster Stainless Steel Muller Type Mixer; Model EAG4 with 10 H.P. motor.
2530/S1—Readco Stainless Double Arm Mixer; 75 gal. 38"x34"x38".

### ALWAYS ON HAND

Stainless Steel Kettles, Tanks, Vac. Cookers, Homogenizers, Sterilizers, Washers, Labelers, etc.

## NEW AND GOOD-AS-NEW EQUIPMENT

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
1—Chrome Tank ±430, vertical, with dished bottom, ¾" plate, and cover.
20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum 5 to 250 gals.
50—Pumps, steam and electric.
4—New Glass Nash Centrifugal Pumps 160 gpm at 40'.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed—used one week.
2—Flow-Master Kom-bi-nators.
1—Ribbon type Mixer, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
5—Steel Tanks, 67,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 16 x 16—24 plate.
2—Plate & Frame Filters, 25", open del.
1—Patterson Pebble Mill, 36" dia. x 42", porcelain lined.
2—Ransome Rotary Agitators, 9' dia. x 11'6".
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL :—: 1—Louisville Dryer, 5' x 28'—like new.
1—300 gal. Steam Jacketed Double Arm Mixer.

**H. LOEB & SON** :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

## FINE EQUIPMENT

1—Ball & Jewell ±1 Rotary Cutter, M.D.
2—Robinson S/S sifters, 20 x 60 M.D.
1—Mixer, 400 lb. (heavy duty), 5 H.P., AC.
1—New Ceramic 50 gal. reactor, S/S coil-agt.
1—Monel 100 gal. Kettle.
5—Stokes & Smith Powder Fillers.
1—Stokes RD1 rotary tablet Press.
1—World auto straightaway Labeler.
1—Thropp 16" x 42" Mill, 50 H.P.
1—New Richardson Scale Co. 100 lb. Bag Packer.

**JASPER MACHINERY CO., INC.**
1123 BROADWAY NEW YORK 10, N. Y.
CHelsea 2-2776

## Good Used Equipment

FILTERS—12" Sperry, 4 chambers, closed delivery, rubber covered. Sparkler, model 18-12.

MIXER—J. H. Day, Mogul, Type M.D.B., class 7, size 5, nickel clad body & vacuum cover. Solid nickel Sigma blades & shafts. For vacuum operation. 7½ hp motor drive.

MIXER—Stokes Sifter & mixer, end discharge, capacity 200 lbs. with 1½ hp gear head motor drive.

**CARLTON M HUB ASSOCIATES**
1674 Broadway, New York 19, N. Y.

## FOR SALE

Mikro Pulv. 2TH, w/new motor.
Bucket Elevator 8"x5" contin. 40' c/c.
Filter Presses 18x18 closed delivery, 24x24.
26" Tolhurst Centrifuge.
Pebble Mills, Lab. sizes thru 6' dia.
Rotary Kilns, 24"x12', 54"x30'.
100 cfm Ing. Rand Air Compresser, w/m.
40"x90" Rotex 3 Deck Screen.
16"x10" Sturtevant crushing rolls.
Jaw Crushers: 3"x1¾", 7"x9", 5"x12", 9"x15", 18"x36".

**LAWLER COMPANY**
Durham Ave. & Lawler Pl., Matuchen, N. J.

## FOR SALE

3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

*Specializing in Rebuilt Machinery*

**IRVING BARCAN COMPANY**
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DElaware 3-6695

## $ for SALE

NEW EIMCO carbon steel vac. filter 4' x 1'.
Louisville, 4'6" x 25' & 6' x 30' tubular dryers.
UNUSED, 24"-30"-36" steel C.D. washing type filter presses.
Devine cylindrical 3 shelf vac. shelf dryer.
NEW Abbe chrome manganese ball mill—15 H.P. MD.
Day, Lehman, Kent roller mills, 4 x 8, 12 x 32, 16 x 40, 3 and 5 roll.
NEW Buflovak calandria type evaporater, 12' dia. Complete.
Sweetland ±2 and ±7 filters.
Pfaudler 200 & 1250 gal. glass lined jack. & agit. kettles.
Day 5-15-40-80 gal. pony mixers.
NEW Swenson verticle film type single effect evaporator. Complete.

BUT A FEW OF THE MANY OUTSTANDING ITEMS AVAILABLE FROM STOCK. SEND FOR BULLETIN 152 TODAY.

**CHEMICAL & PROCESS MACHINERY CORPORATION**
146 GRAND ST. • NEW YORK 13
WOrth 4-8130

## EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

4—Bird 18" x 28", Stainless Steel Filters, Solid Bowl, Condition Unused.

2—Hercules Stainless Steel Filters, ±50, Condition Unused.
1—Shriver Filter Press, 42" x 42", 46 chambers, side-feed, open delivery, washing type.
1—Sparkler 18-S-8 Stainless Steel Filter, Jacketed.
1—Baker Perkins Jacketed Mixer, 2,000 gal. cap.
2—J. H. Day, Mogul Mixers, 2½ & 5 gals.
5—Baker Perkins Jacketed Mixers, 100 gal. cap.
3—Jacketed Kettles with Agitators, 1,500 gals.

**R. GELB & SONS, INC.**
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**WATER COOLED 12" X 30"**

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**Pharmaceutical Company** with branches in Brazil, Venezuela, Chile, Argentina and Uruguay, over 30 years experience manufacturing and marketing pharmaceuticals, wishes contact American Producers. Wanted: exclusive sale or manufacturing rights of pharmaceutical specialties, drugs or related items. Please contact OPD 335.

## EQUIPMENT OFFERED

**Stokes High** Vacuum pumps—212C, water cooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed, $349. Some unused available, $425; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

**For Sale** reasonable. Three 26" Ross Tandem Burr Stone Mills in perfect condition. Belt driven. OPD 332.

**For Sale** cheap: 1 Kent 30" tandem stone mill, water cooled, roller bearing type, pulley driven, rebuilt in 1943. 1 Chas. Ross & Son, 26" tandem stone mill, silent chain drive, oil tight case, water cooled. New in 1943. 1 Olsen & Tilgher single stone mill, water cooled. OPD 339.

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**Mixing, grinding,** screening, packaging of dry chemicals to your specifications, carload or less. Chemical manufacturer with technical staff, many raw materials and containers. Railroad siding. Metropolitan New York area. OPD 323.

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**Wanted—Complete** plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

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**A large** refiner of Vegetable Oils, located near New York, is looking for a man to supervise the operation of their hydrogenation and gas plants. Modern equipment and large volume. OPD 348.

**Salesman:** A complete pharmaceutical and fine chemical line available to an individual salesman who is handling pharmaceuticals and chemicals on a commission basis. Please write details to OPD 321.

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Melvin DeGroote, vice-president of the Petrolite Corporation's Tretolite Company division, Los Angeles, recently was awarded the Lamme Medal of Ohio State University, presented annually to an alumnus in recognition of "meritorious achievement in engineering or the technical arts."


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## Advertising Index


Aceto Chemical Co., Inc. 70
Albemarle Paper Mfg. Co. 63
Allied Asphalt & Mineral Corp. 61
Aluminum Co. of America 10
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. 38, 56
American Firstoline Corp. 63
American Potash & Chemical Corp. 49
Archer-Daniels-Midland Co. 17
Azee Sales Company 65

Bakelite Div. Union Carbide & Carbon Corp. 62
Baker, H. J., & Bro. 41
Baker, J. T., Chemical Co. 1, 46
Barcan, Irving, Co. 69
Barclay Chemical Co. 41, 71
Barnett Laboratories 52
Barrett Division 40, 42
Beacon Company 36
Bethlehem Steel Co. 43
Better Finishes & Coatings, Inc. 37
Birch Products Corp. 35
Bowman, Charles, & Co. 50
Brill Equipment Co. 70
Brode Corp., The 65
Bufogle, A. 65

Calco Chemical Division 12
Calif. Fruit Growers Exchange, Products Dept. 24
Capital City Products Co. 63
Carbide & Carbon Chemicals Div., Union Carbide & Carbon Corp. 2, 50, 53
Casal Laboratories 35
Celanese Corp. of America, Chemical Div. 18, 72
Chemical Manufacturing Co. 41
Chemical & Process Machinery Co. 69
Chemical Solvents, C. P., Inc. 72
Chemo-Puro Mfg. Corp. 52
China Trading & Industrial Development Corp. 48
Church & Dwight Co., Inc. 34
Cleveland Steel Barrel Co. 71
Coleman & Bell Co. 44
Colgate-Palmolive-Peet Co. 48
Concord Chemical Co. 11
Consolidated Products Co., Inc. 68
Coupe, Robert A. 38
Crosby Chemicals, Inc. 61

Davies Nitrate Co., Inc. 36
De Rewal International Rare Metals Co. 53
Dickerson Company 40
Dickinson, J. Q., & Co. 50
Diehl, Wm., & Co. 65
Distillation Products Industries, Inc. 49
Dodge & Olcott Co. 56
Dodwell & Company, Ltd. 48, 56, 58
Dow Chemical Co. 28
Dow Corning Corp. 63
Dreyer, P. R., Inc. 56
Duff Chemical Co., Inc. 60
Durez Plastics & Chemicals, Inc. 63

Eagle Industries, Inc. 70
Eastern Color & Chemical Co. 70
Eelsingh & Lugtigheid 48
Eimer & Amend 51
Emery Industries, Inc. 66
Empire Chemical Co., Inc. 50
Emsco Equipment Co. 69
Equipment Clearing House, Inc. 68

Fairmount Chemical Co., Inc. 58
Felton Chemical Co., Inc. 25
Ferro Chemical Corp. 60
Fezandie & Sperrle 62
Fine Organics, Inc. 48
First Machinery Corp. 69
Florasynth Laboratories, Inc. 57
Fritzsche Brothers, Inc. 57

Gane & Ingram, Inc. 53
Gartenberg, H., & Co., Inc. 39
Gelb, R., & Sons, Inc. 69
General Biochemicals, Inc. 53
Glidden Company 52
Gray, William S., & Co. 1
Greeff, R. W., & Co. 50
Gross, A., & Co. 64
Gruman, J. B., Co. 53

Hamilton Laboratories, Inc. 50
Hardesty, W. C. Co. 64
Heat and Power Co., Inc. 68
Hercules Powder Co. 56
Heyden Chemical Corp. 39
Hoffmann-La Roche Inc. 31
Hopkins, J. L., & Co. 55
Horn, Jefferys, & Co. 60
Hub, Carlton M., Associates 69
Hutchinson, D W., & Co., Inc. 57

Indoil Chemical Co. 62
Industrial Chemical Sales, Div. West Virginia Pulp & Paper Co. 38
Inland Alkaloid Company 47
Inland Steel Container Co. 36
Innis, Speiden & Co. 6
Interlake Iron Corporation, Coal Chemicals Div. 44
Interstate Chemical Corp. 53

Jasper Machinery Co. 69

Kelco Company 55
Kolker Chemical Works, Inc. 41
Koppers Company, Inc. 43
Lawler Company 69

Leberco Laboratories 58
Lee Metal Products 71
Lemke, B. L., & Co., Inc. 52
Lever Brothers Company 48
Loeb, H., & Son 69
Loeb Equipment Supply Co. 70
Lucidol Corp. 53

Machinery & Equipment Corp. 68
Magnus, Mabee & Reynard, Inc. 57
Mallinckrodt Chemical Works 19, 62
Malmstrom, N. I., & Co. 65
Manufacturers Products Co. 70
Marine Magnesium Products Corp. 48
McCarthy Chemical Co. 66
McKesson & Robbins, Inc. 47
Miel, George A., Co., Inc. 66
Monsanto Chemical Co. 15
Mutual Chemical Co. of America 20

National Casein Sales 63
National Lead Co. 21
National Rosin Oil Products, Inc. 63
Natural Products Refining Co. 39
Nelson-Wells & Co. 48
Neuberg, William D., Co. 44
Neville Company 61
New England Chemical Supply Corp. 65
Niagara Alkali Company 13

Oronite Chemical Co. 14

Pacific Coast Borax Co. 1
Parsons, M W. 60
Penick, S. B., & Co. 54
Pennsylvania Refining Company 67
Perry Equipment Corp. 70
Petrolite Corp., Ltd., Wax Division 67
Pfizer, Chas., & Co., Inc. 33
Pittsburgh Coke & Chemical Co. 72
Pittsburgh Plate Glass Co., Columbia Chemical Div. 22, 34
Polak's Frutal Works 58
Potash Co. of America 40
Prentiss, R. J., & Co., Inc. 51
Prior Chemical Corp. 1
Procter & Gamble 48
Productos de Zinc, S. de R. L. 61

Read, Chas. L., & Co., Inc. 34
Reade Manufacturing Co., Inc. 60
Reinhart Chemical Corp. 44
Richter, Gedeon, Pharmaceutical Prods., Inc. 50
Rosenthal Bercow Co., Inc. 72
Roure-Du Pont, Inc. 56
Rufert Chemical Co. 66

Seldner & Enequist, Inc. 48
Sergeant, E. M., Pulp & Chemical Co. 38
Seydel Chemical Co. 50
Sharples Chemicals Inc. 1
Shell Chemical Corp. 23
Shell Oil Co., Inc. 67
Smith Chemical & Color Co., Inc. 72
Snell, Foster D., Inc. 38
Solvay Sales Div., Allied Chemical & Dye Corp. 29
Standard Specialty & Tube Co. 66
Stauffer Chemical Co. 35
Stein Equipment Co. 70
Stein, Hall & Co., Inc. 38
Sterwin Chemicals, Inc. 54
Swanson, C. A., & Sons 39

Tennant, C., Sons, & Co. of N. Y. 35
Tennessee-Eastman Corp. 35, 36
Thompson-Hayward Chemical Co. 38
Thurston & Braidich 54
Titanium Pigment Corp. 27
Todd, A. M., Co. 57
Tombarel Products Corp. 58
Truland Chemical & Engineering Co. 70
Turner, Joseph, & Co. 34
Tuteur Bio-Chemicals, Inc. 51

Union Carbide & Carbon Corp., Carbide & Carbon Chemicals Div. 2, 50, 53
Union Standard Equipment Co. 68
United States Potash Co., Inc. 40

van Ameringen-Haebler, Inc. 58
Veisicol Corp. 59
Verona Chemical Co. 56

Wah Chang Corp. 66
Welch, Holme & Clark Co., Inc. 65
Will & Baumer Candle Co., Inc. 66
Wilson-Martin Div. 64
Wirz, A. H., Inc. 37
Woburn Chemical Corp. (N. J.) 8
Wurster & Sanger, Inc. 65

Young, The J. S., Company 39

Zinsser & Co., Inc. 34


## Lignite Source of Montan Reported by Mines Bureau

Arkansas and California lignitic coals offer a promising domestic source of montan wax, according to a Bureau of Mines bulletin now on sale. The bulletin discusses the geological occurrence, petrographic composition and extractable waxes of American lignites.

Results of tests on the extracted waxes, descriptions of coal used and a review of foreign wax-making processes are included in the publication. Copies of the report, bulletin 482, "American Lignites: Geological Occurrence, Petrographic Composition, and Extractable Waxes," may be obtained for 35 cents each only from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

## Amer. Cyanamid Adds Two To Technical Service Staff

Industrial Chemicals Division, American Cyanamid Company, New York, has appointed Dr. A. J. Weith, jr., and J. F. Allen technical service representatives of the synthetic organic chemicals department.

Dr. Weith joined Cyanamid in 1947 and worked in the Stamford (Conn.) research laboratories on such problems as the physical properties of new products, investigation of surface active solutions and general physical problems. Mr. Allen was with Devoe & Raynolds Company, New York, for four years prior to joining Cyanamid this year.

### Witco Issues Bulletin

Witco Chemical Company, New York, has issued a new technical service report entitled "Witco Zinc Stearate, Lacquer Grade No. 1." The publication itemizes uses and applications of the product. Copies of the report are available upon request to the company at 295 Madison avenue, New York 17.


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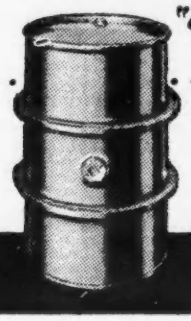
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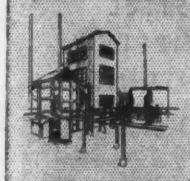

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*Sectional view of the Chemcel Plant, Bishop, Texas.*

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